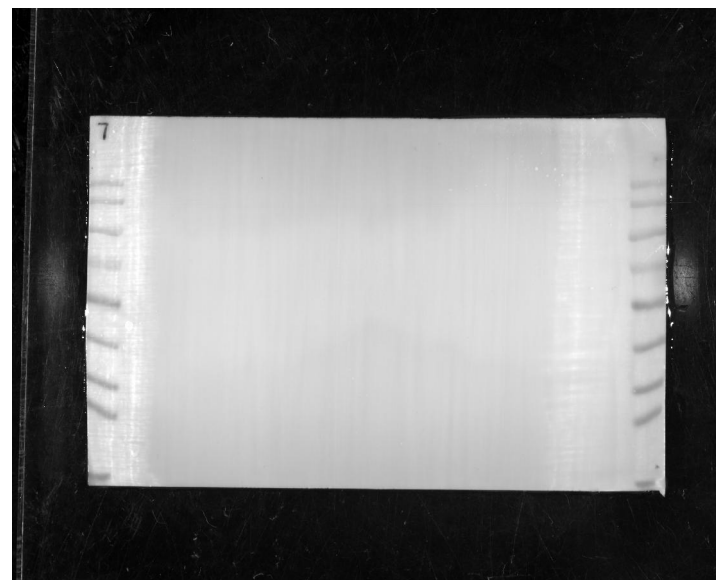
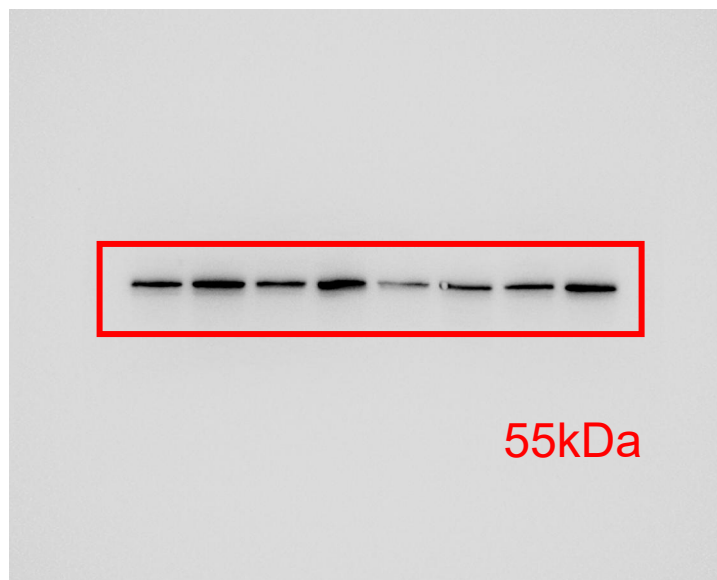
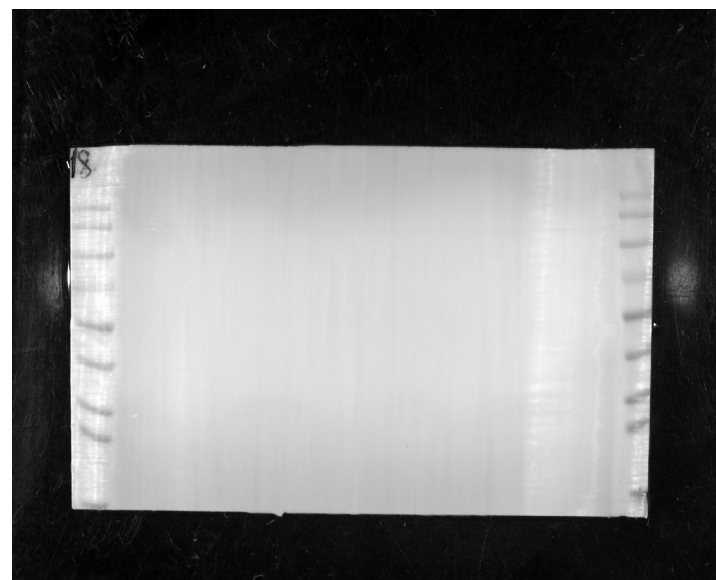
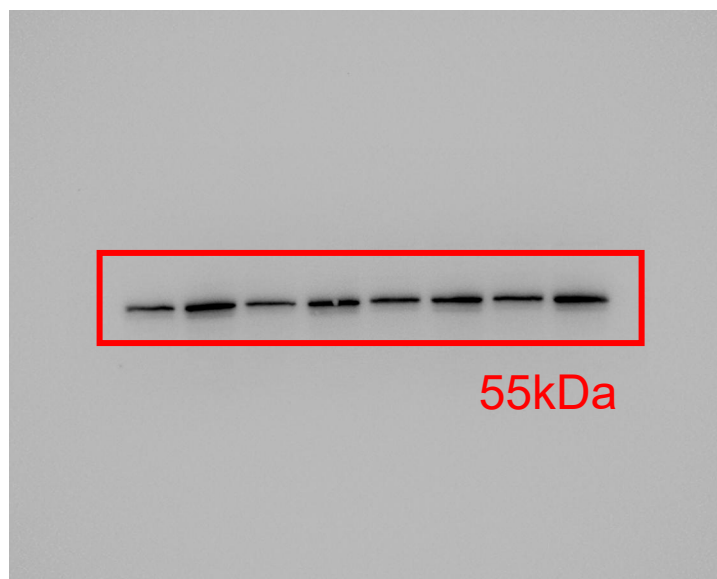


fig1

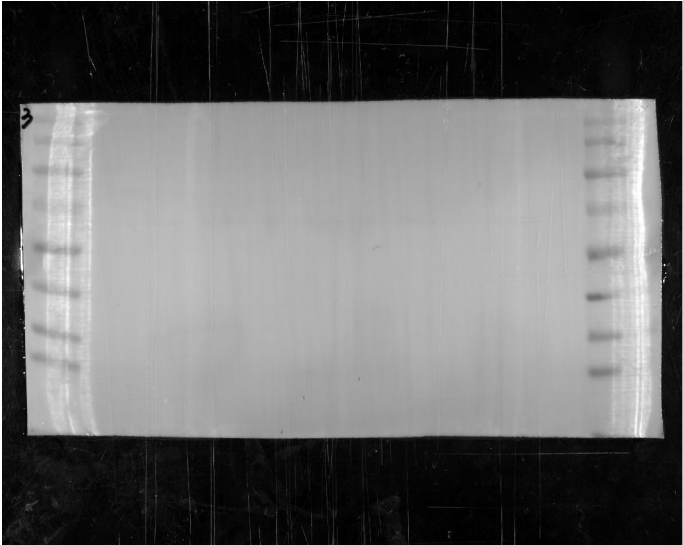
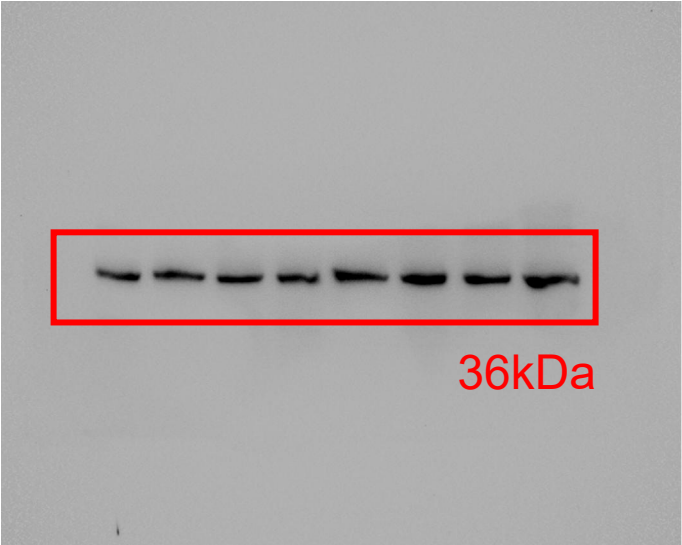
组织对ZC3H15-1



组织对ZC3H15-2



组织对gapdh-1



组织对gapdh-2

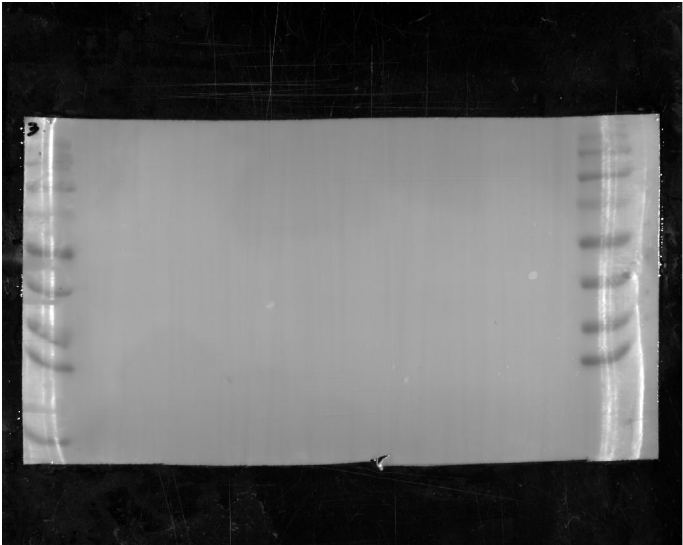
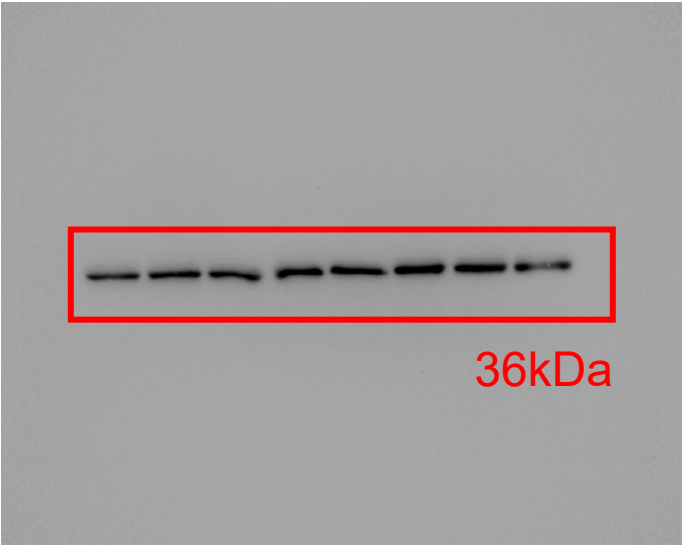
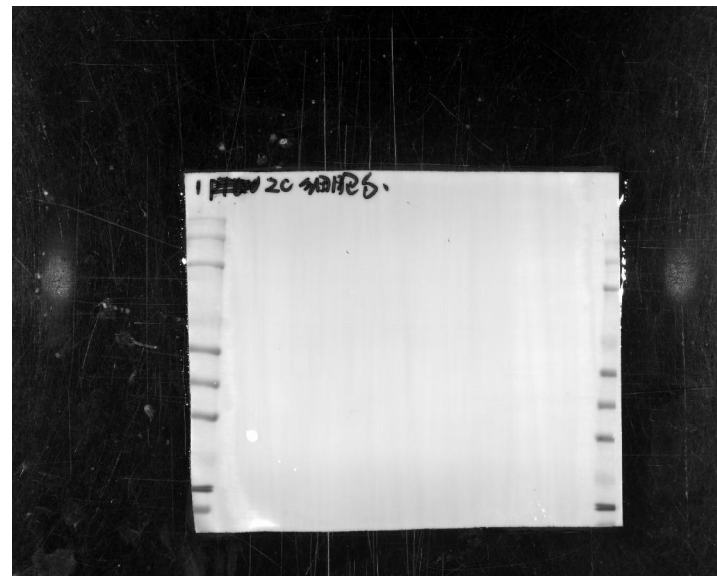
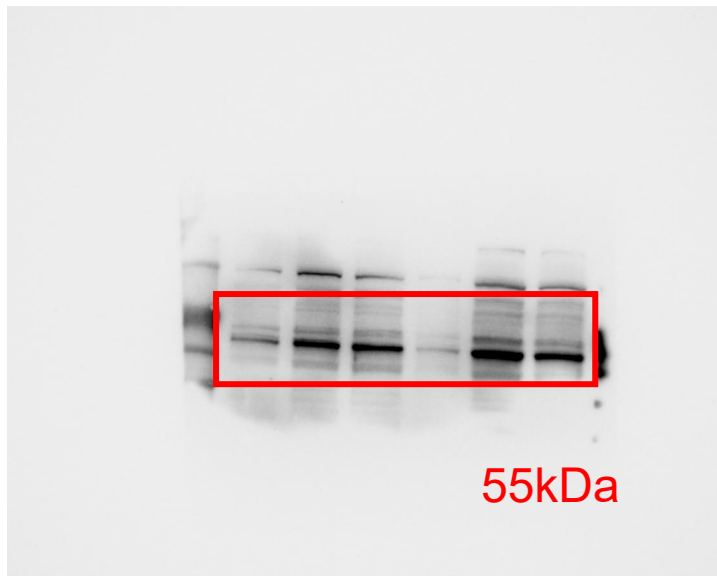
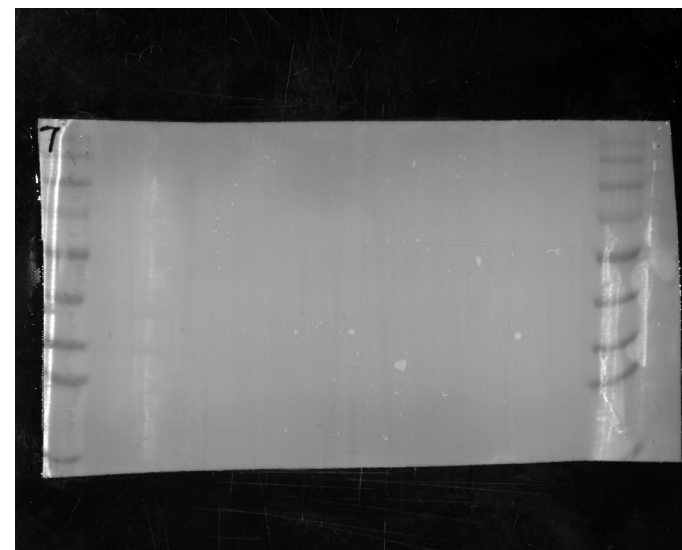
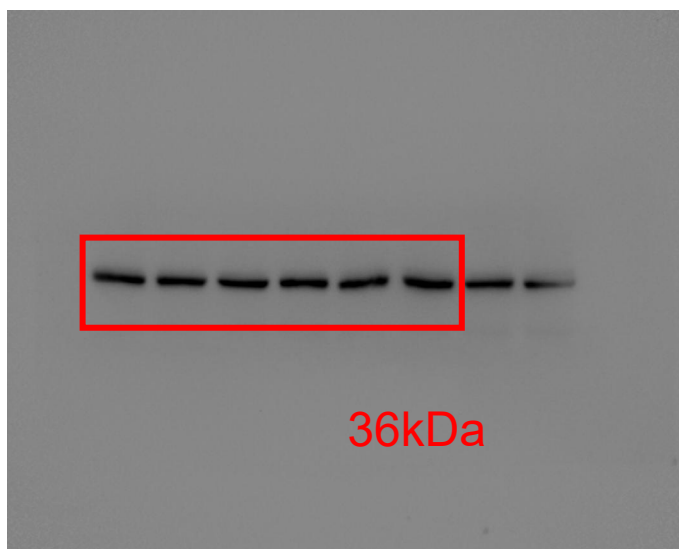


fig2

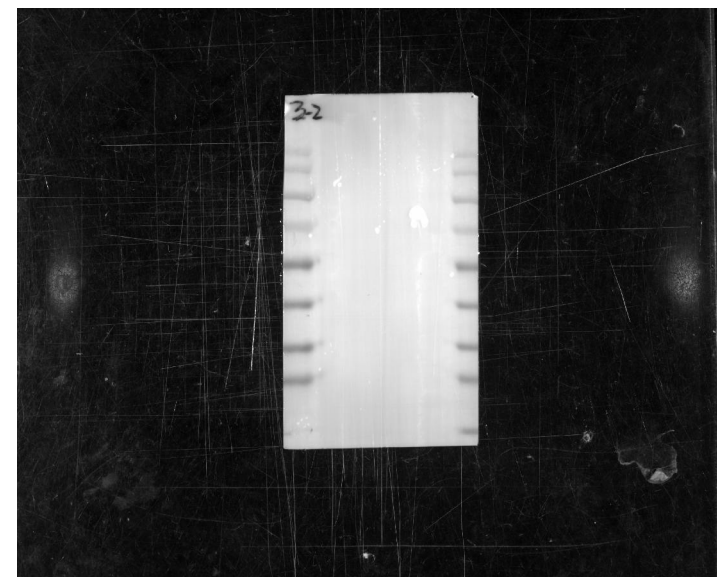
细胞系ZC3H15-1



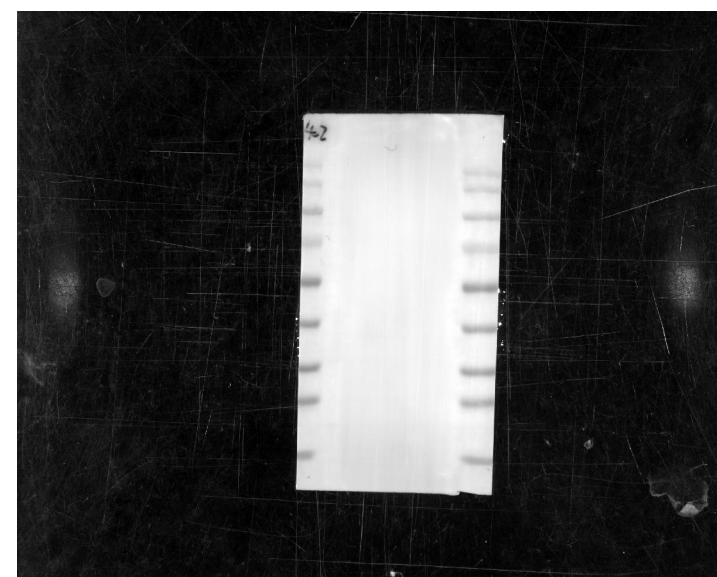
细胞系GAPDH-1



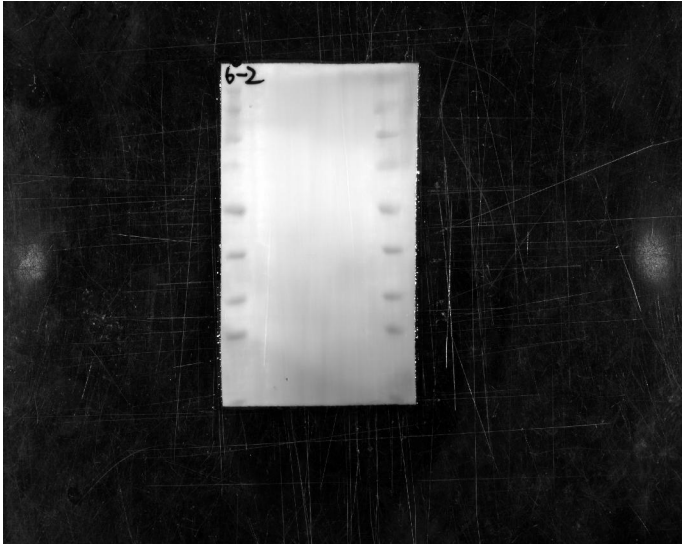
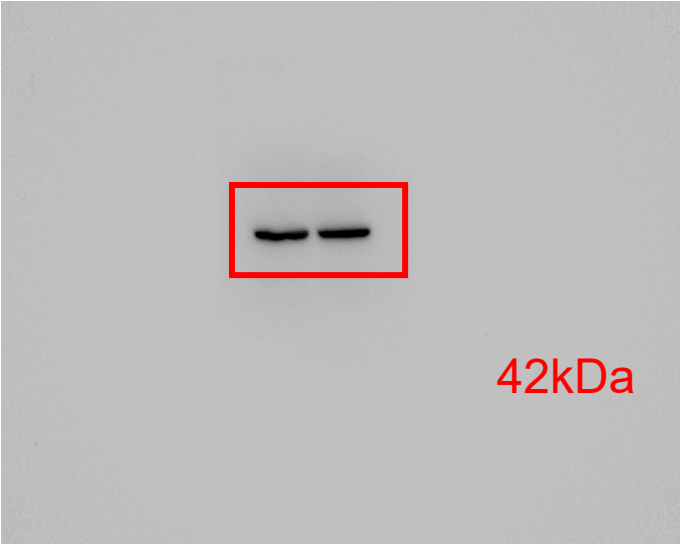
A549 ZC3H15



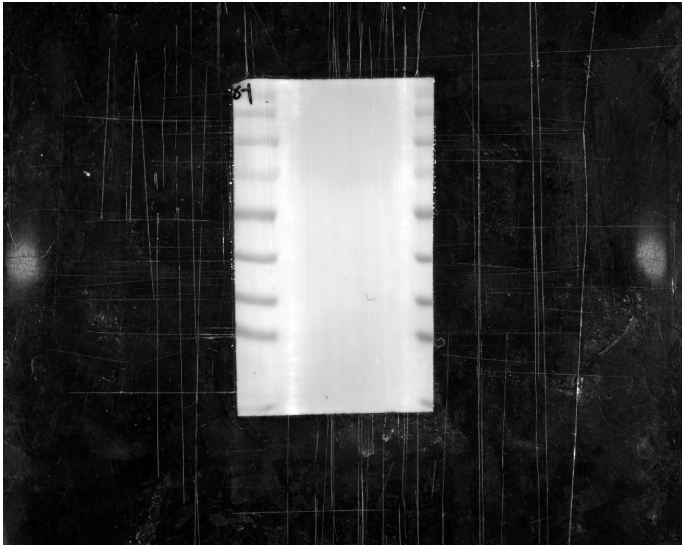
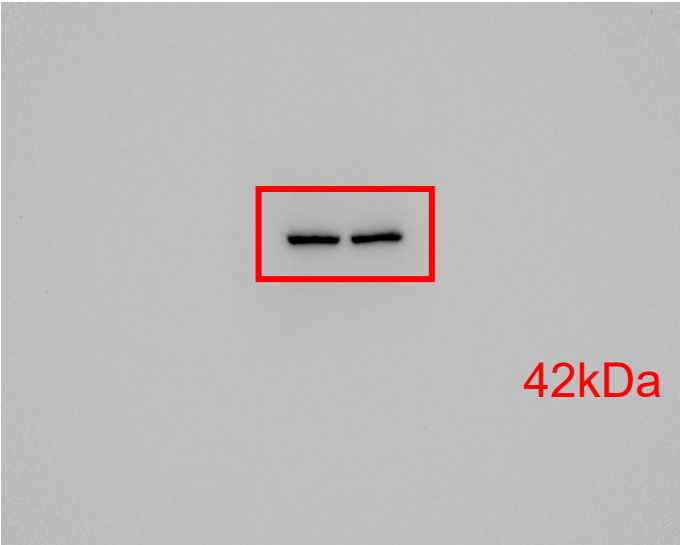
H1299 ZC3H15



A549 β -actin



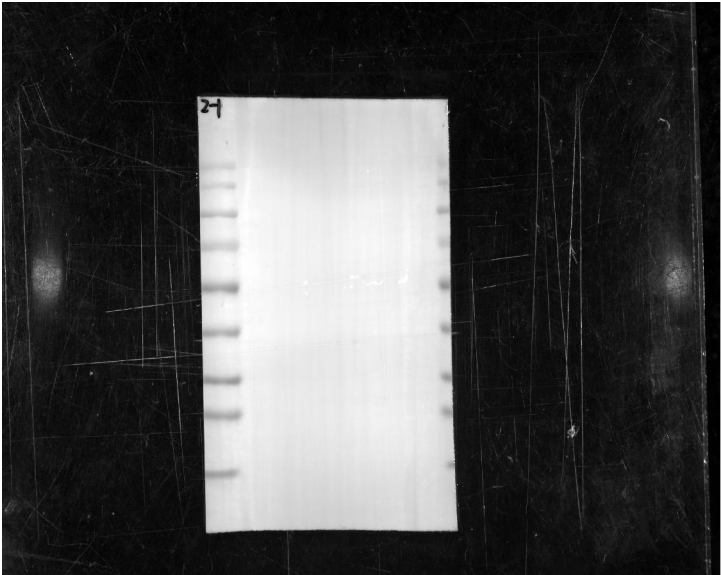
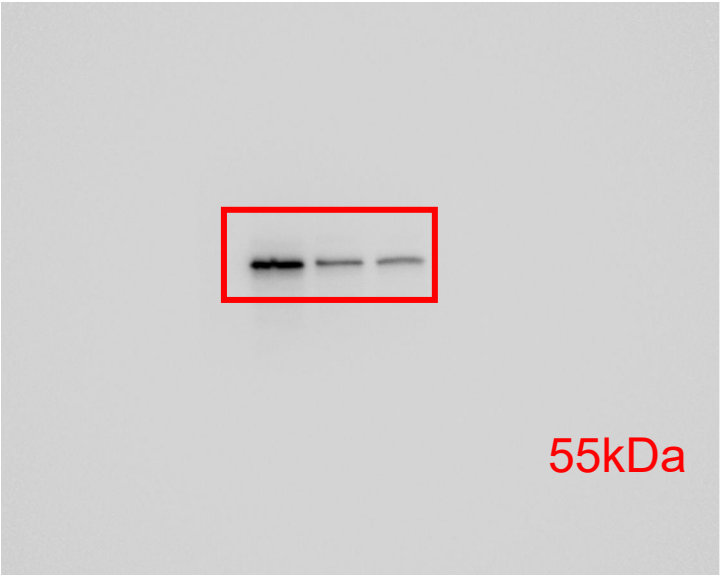
H1299 β -actin



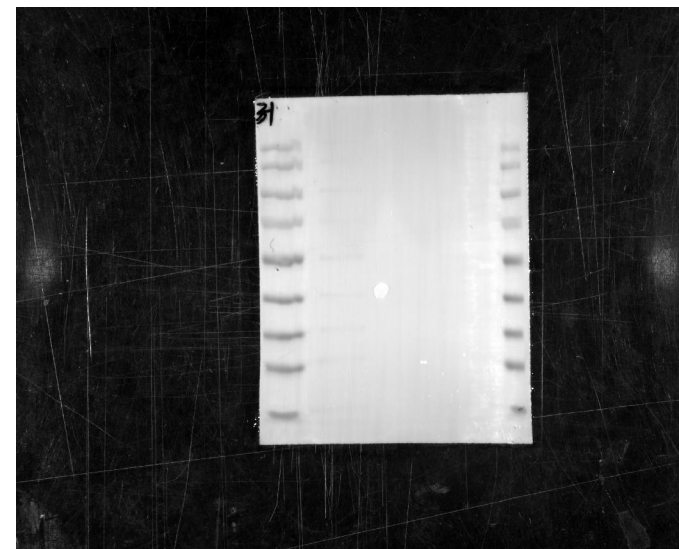
A549 ZC3H15



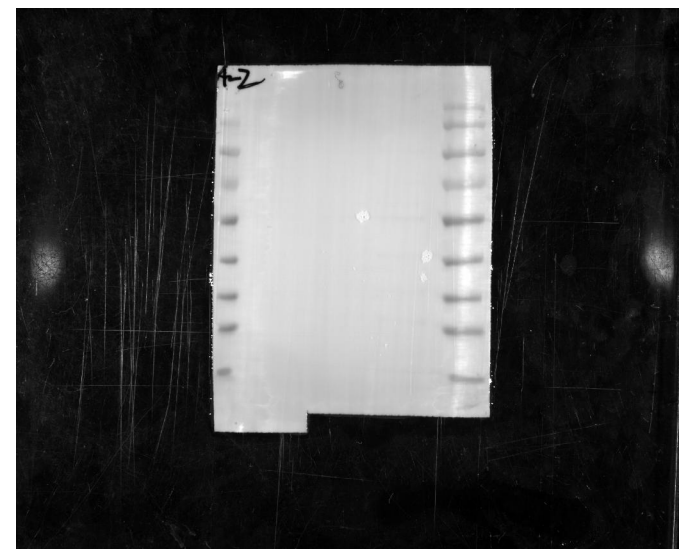
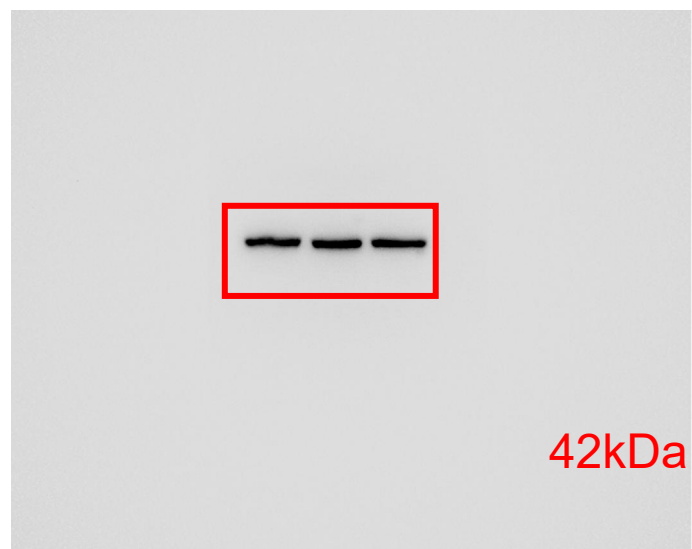
H1299 ZC3H15



A549 β -actin

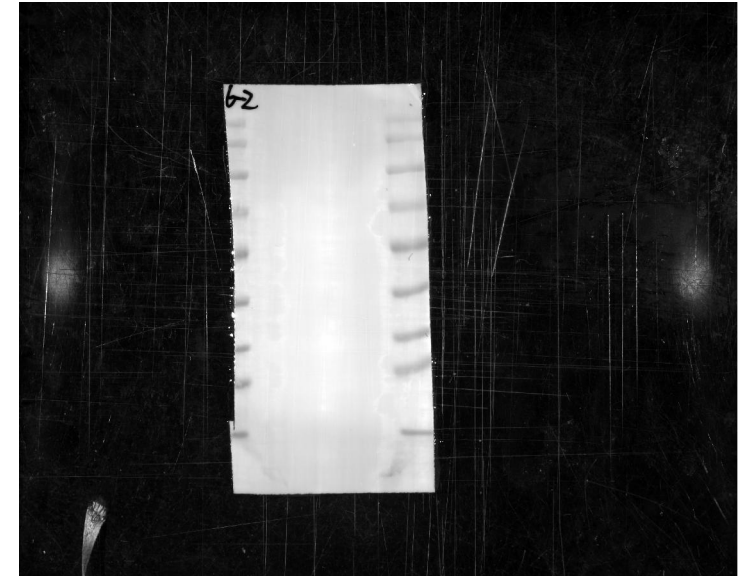
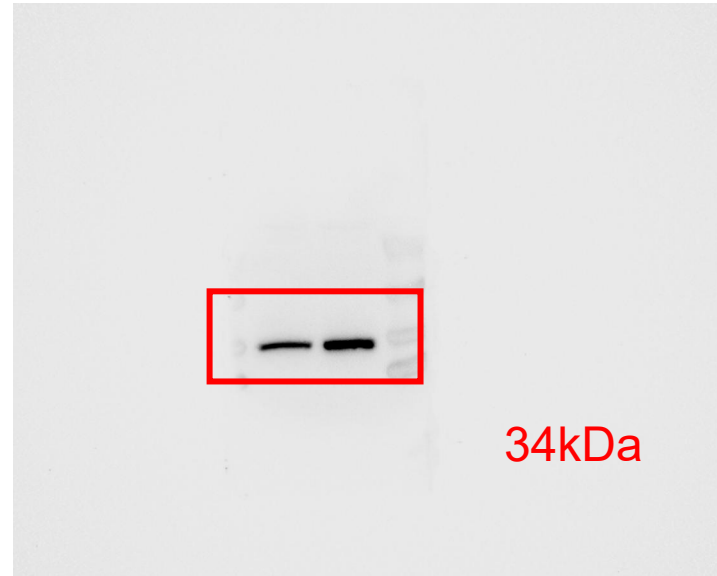


H1299 β -actin

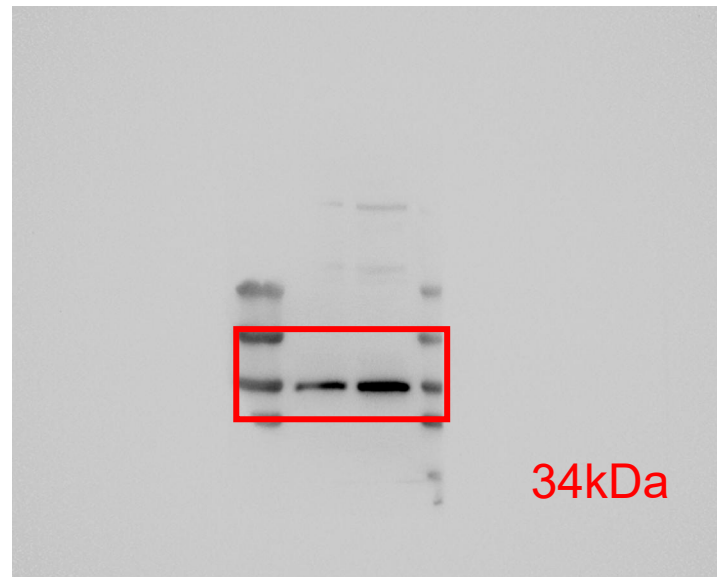


S-fig2-3

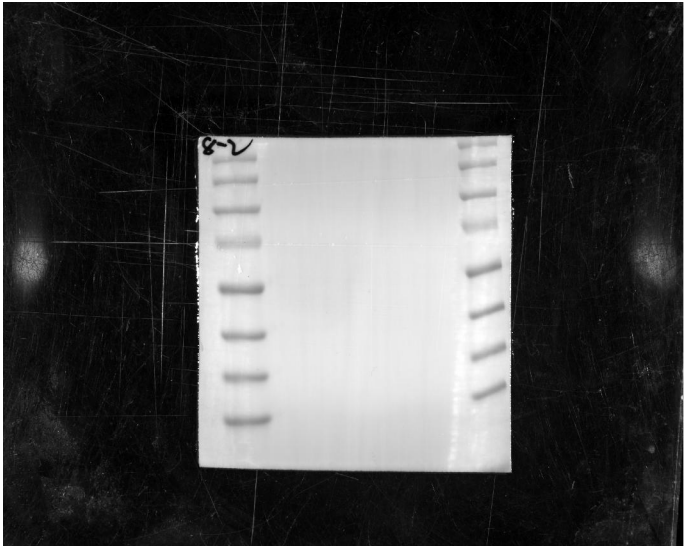
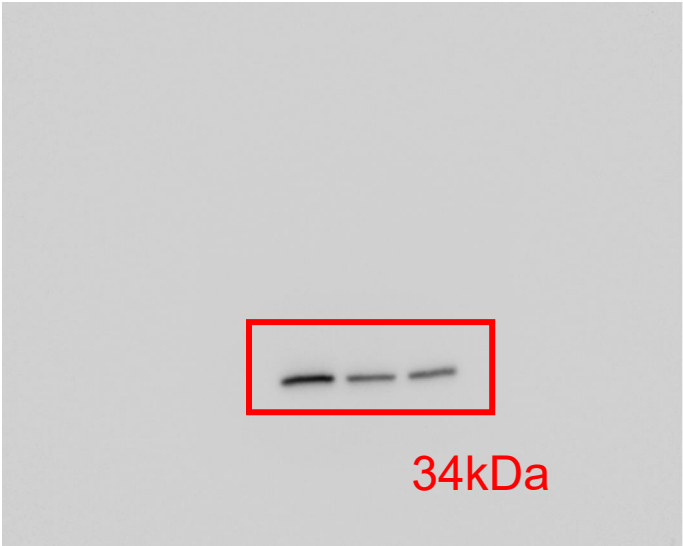
A549 OE CDK4



H1299 OE
CDK4



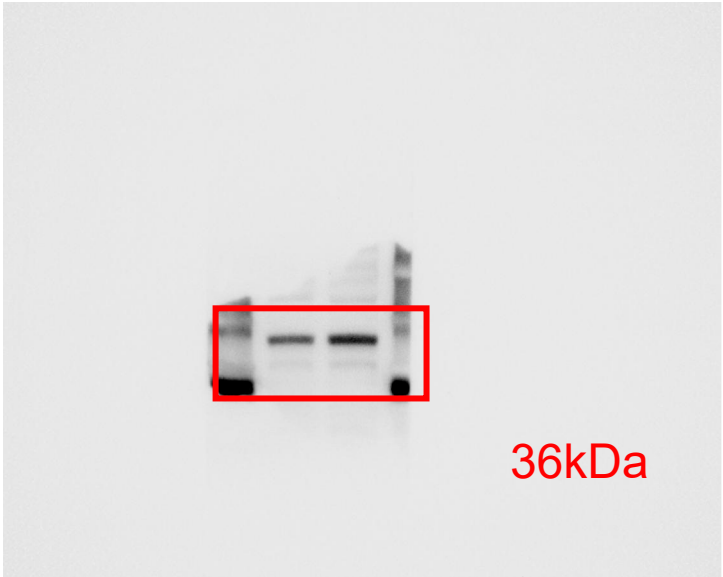
A549 SH CDK4



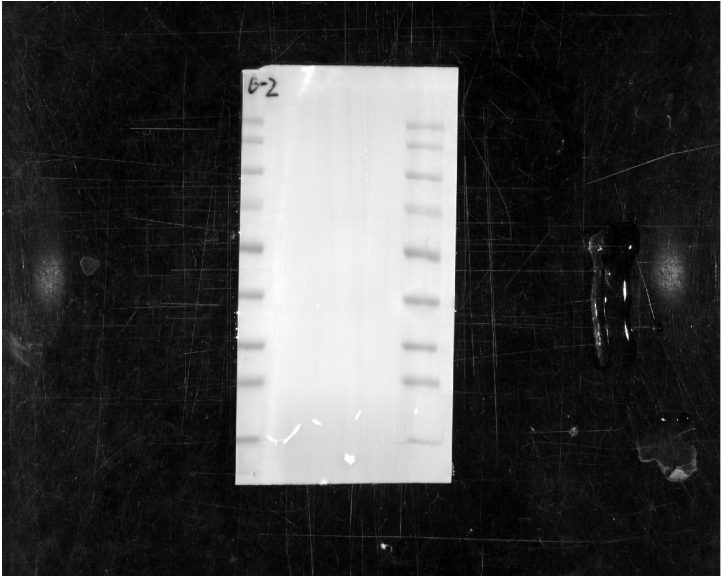
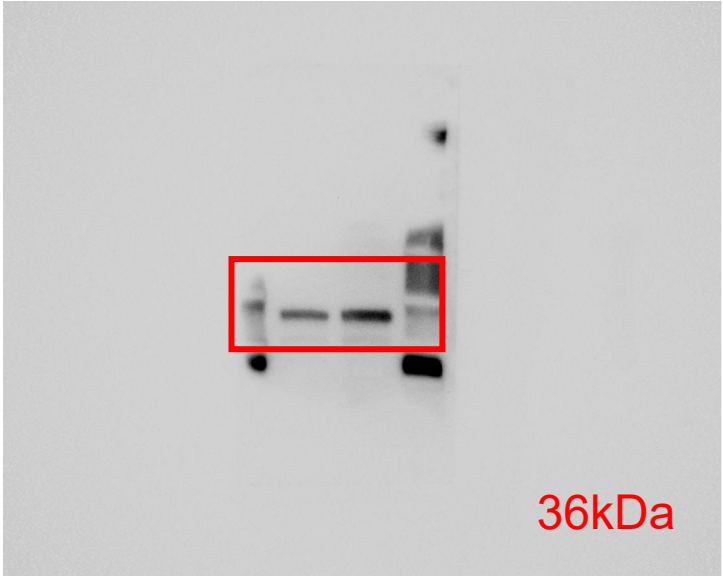
H1299 SH
CDK4



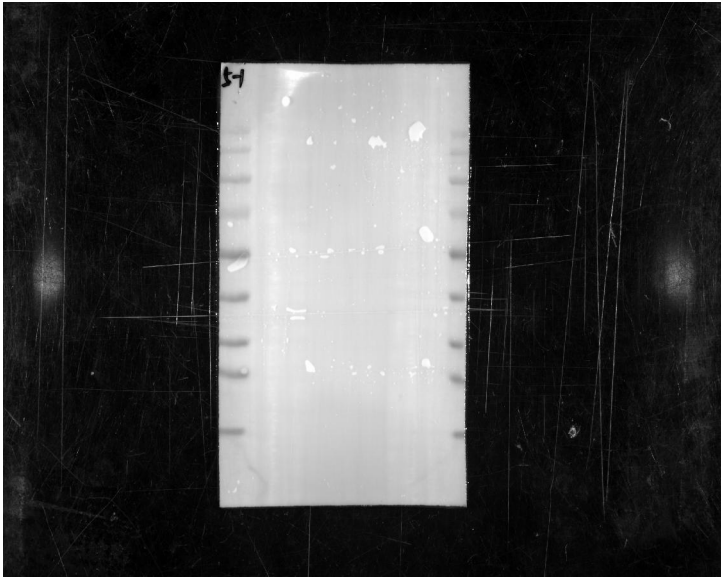
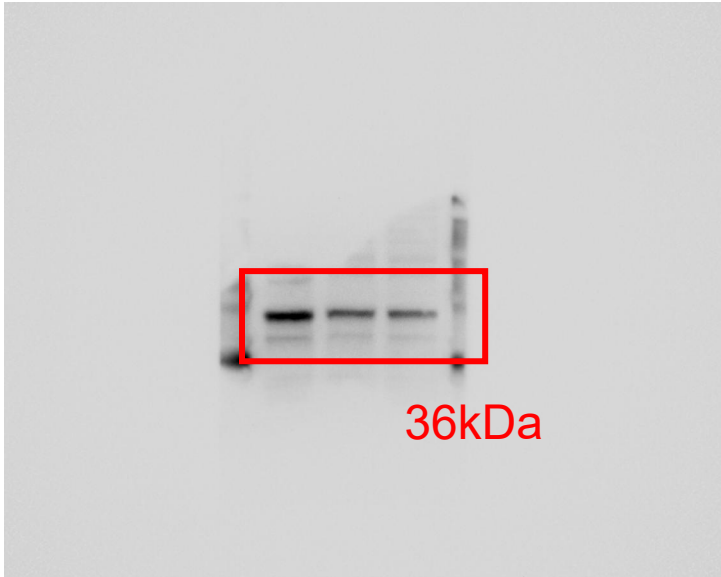
A549 OE CDK6



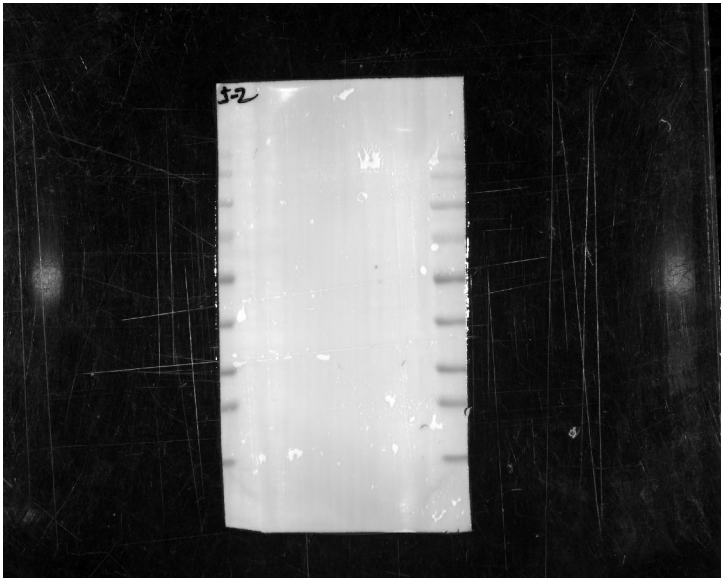
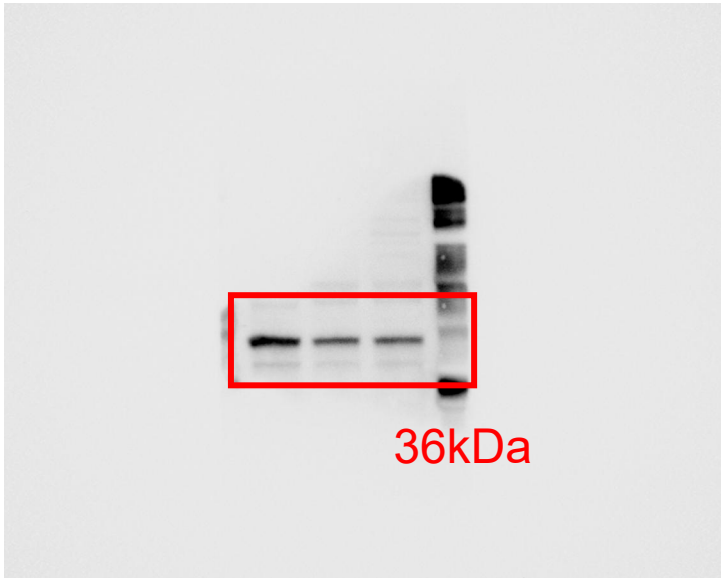
H1299 OE
CDK6



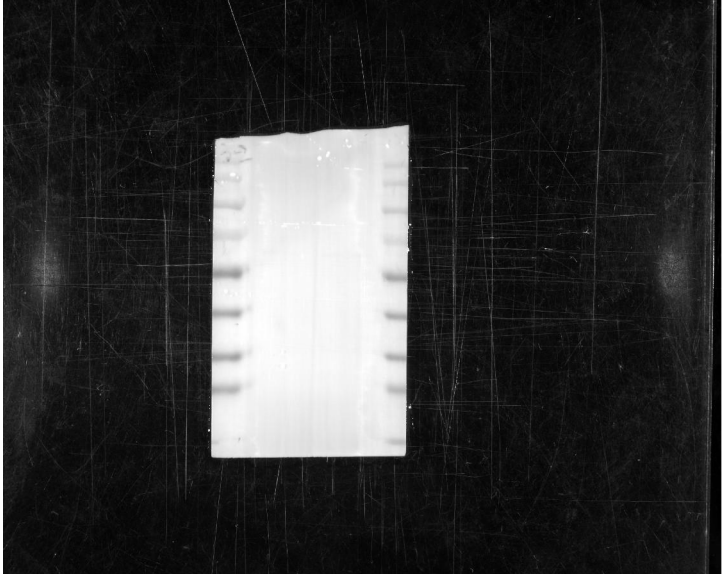
A549 SH CDK6



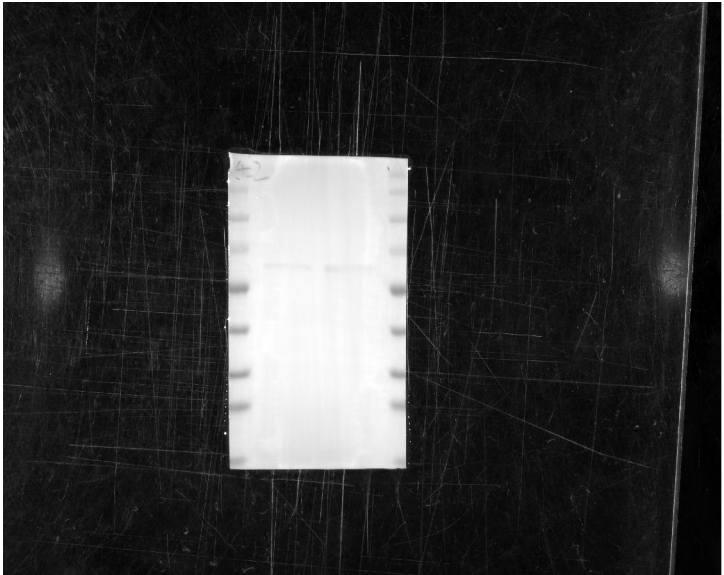
H1299 SH
CDK6



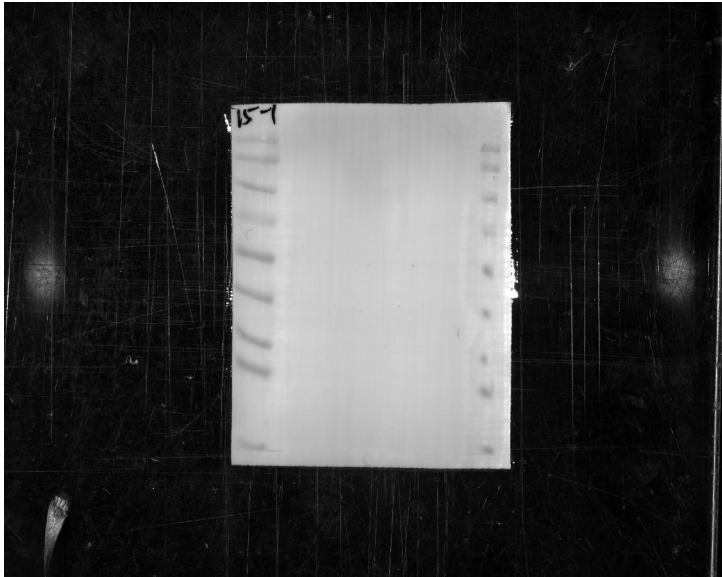
A549 OE D1



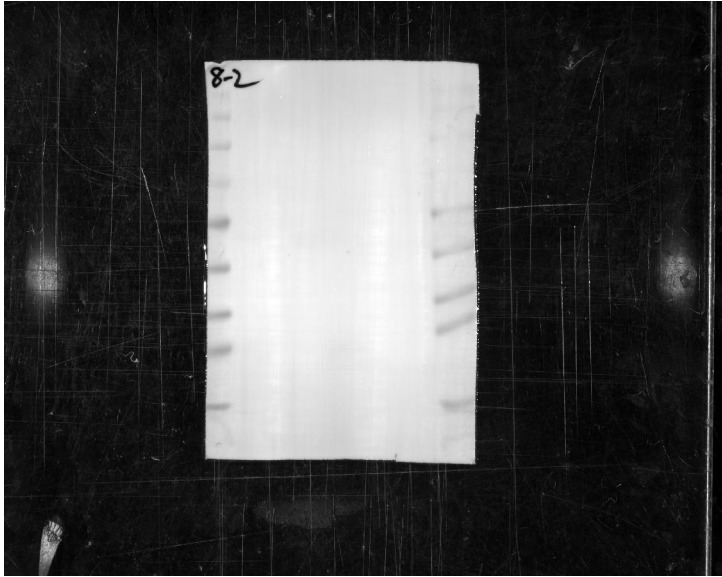
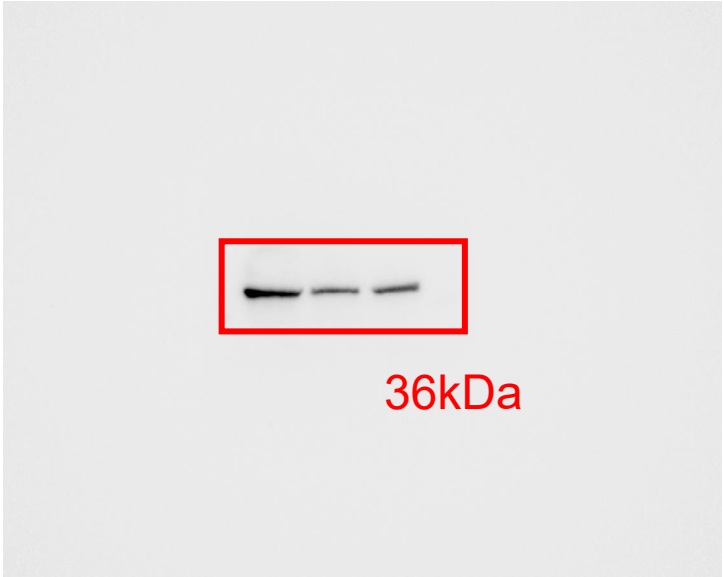
H1299 OE D1



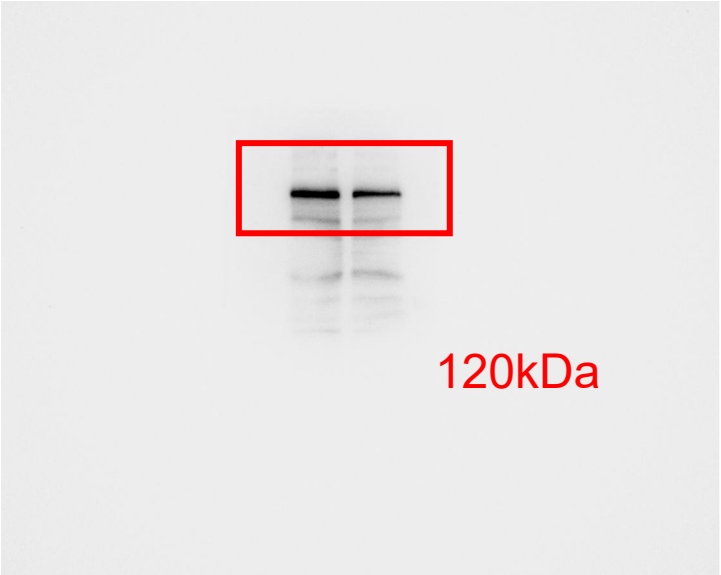
A549 SH D1



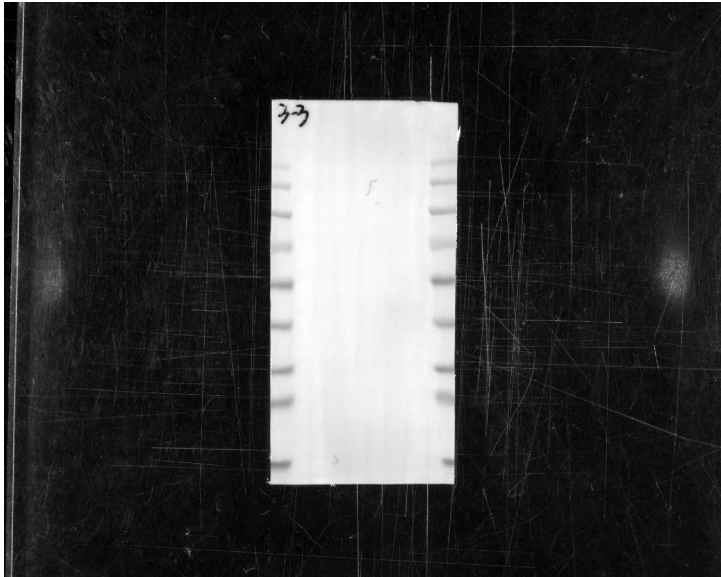
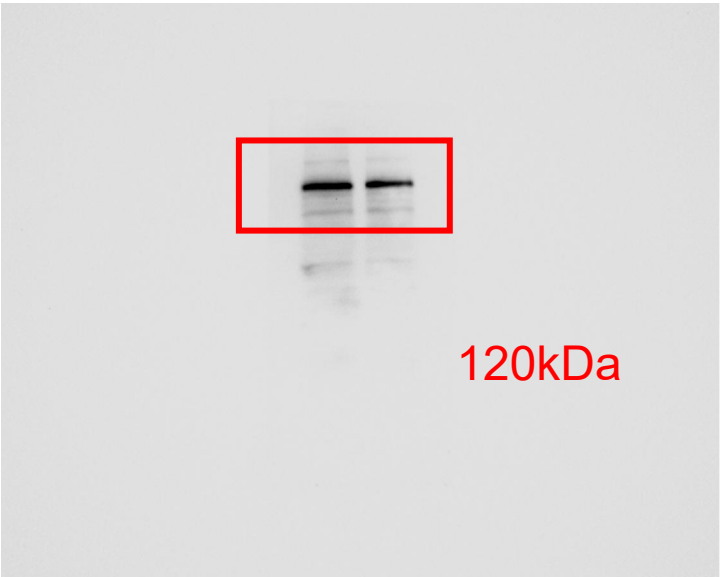
H1299 SH D1



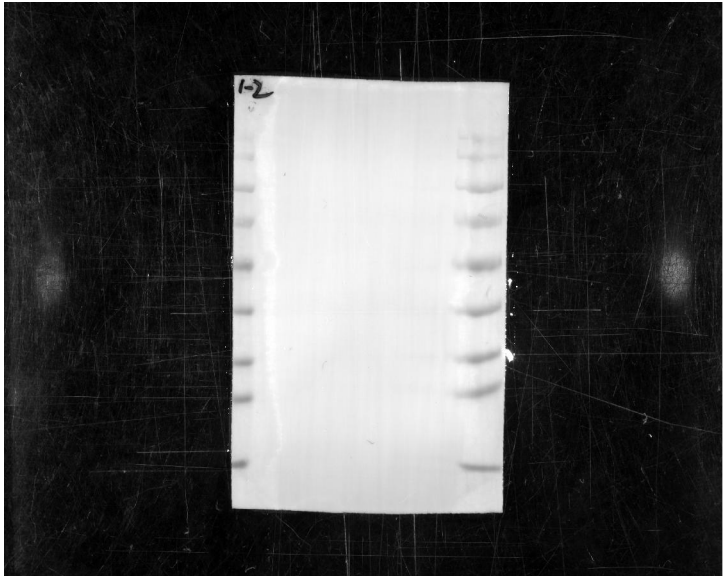
A549 OE E-ca



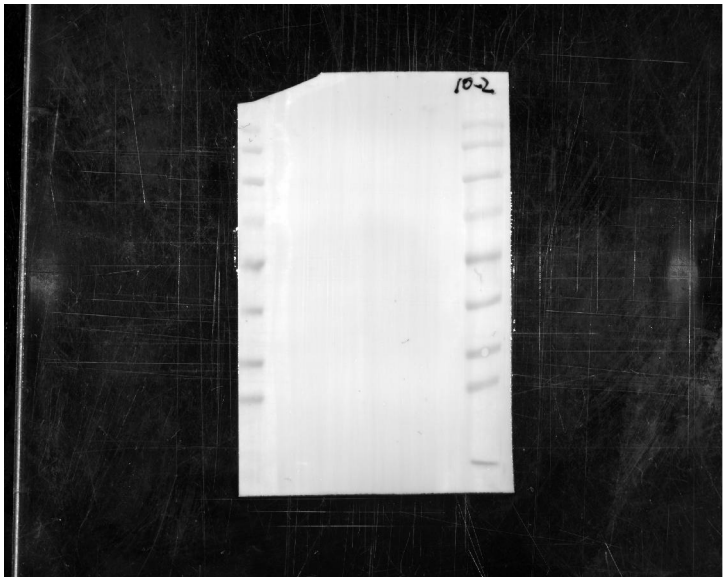
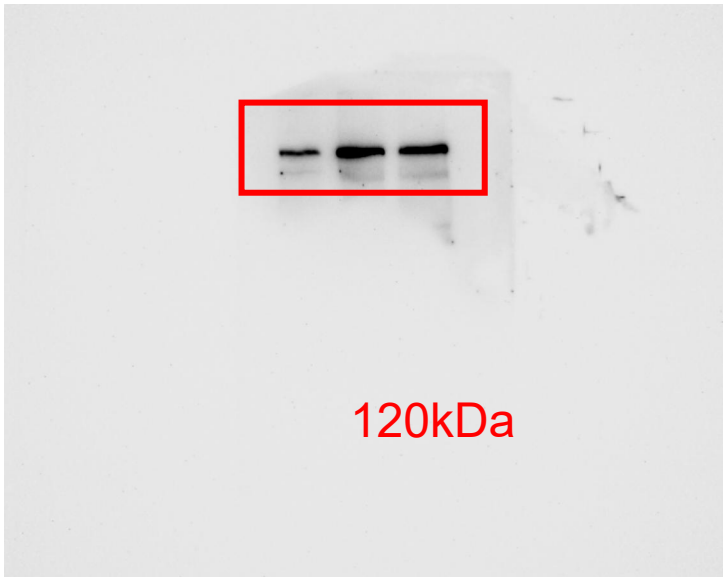
H1299 OE E-ca



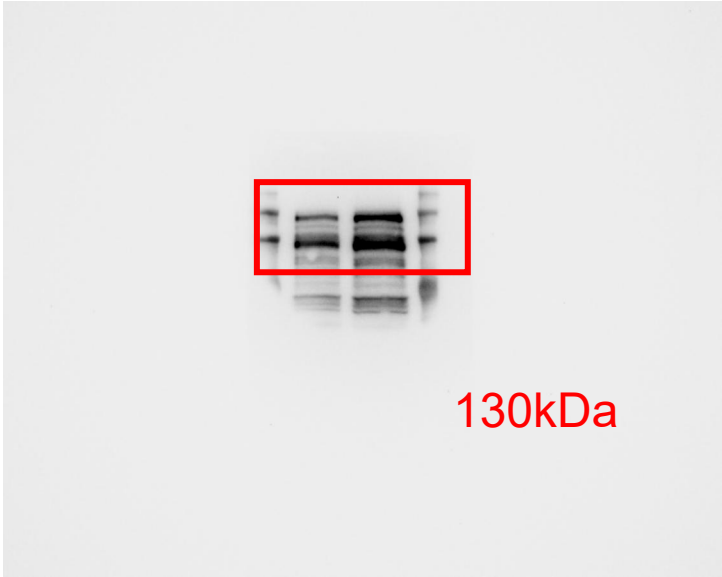
A549 SH E-ca



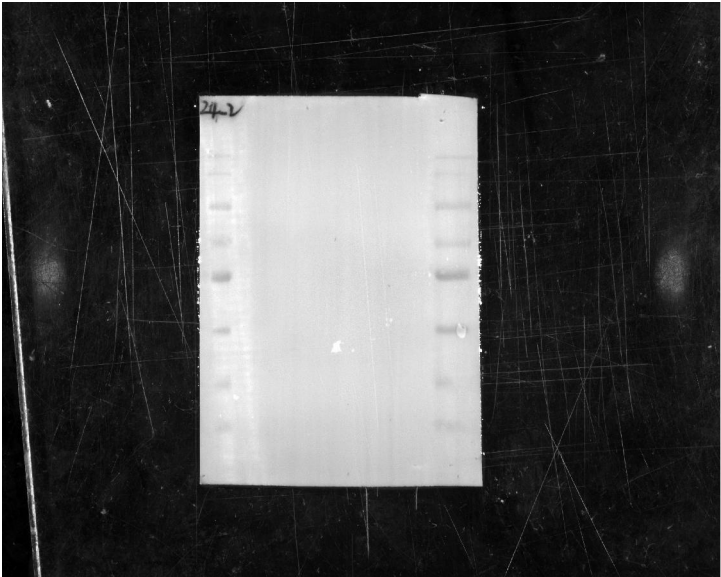
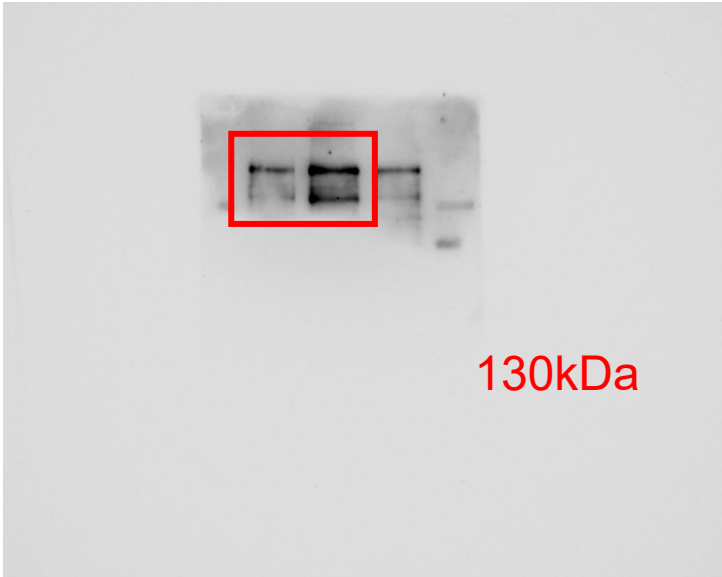
H1299 SH E-ca



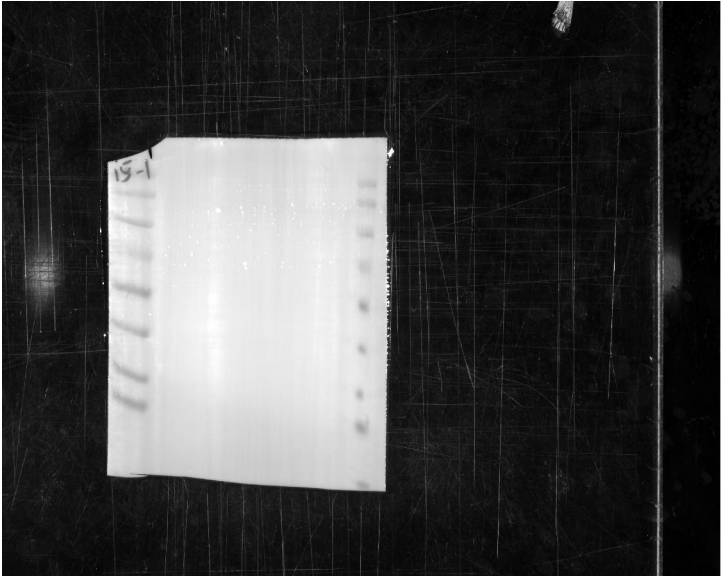
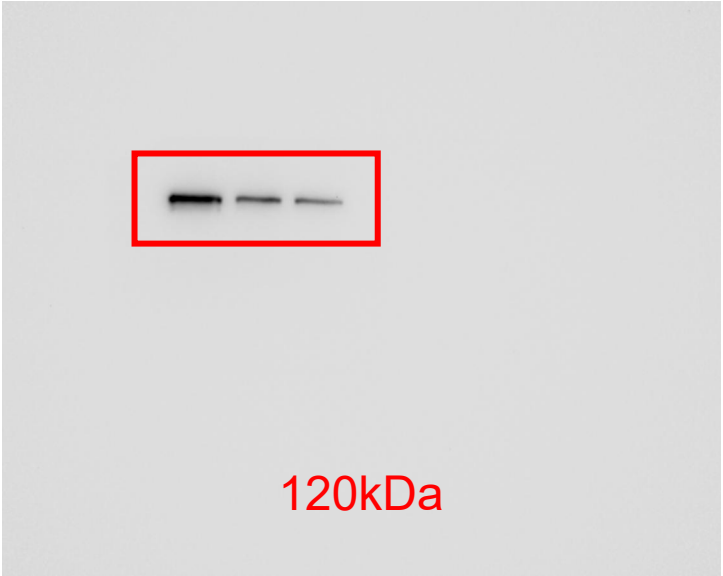
A549 OE N-ca



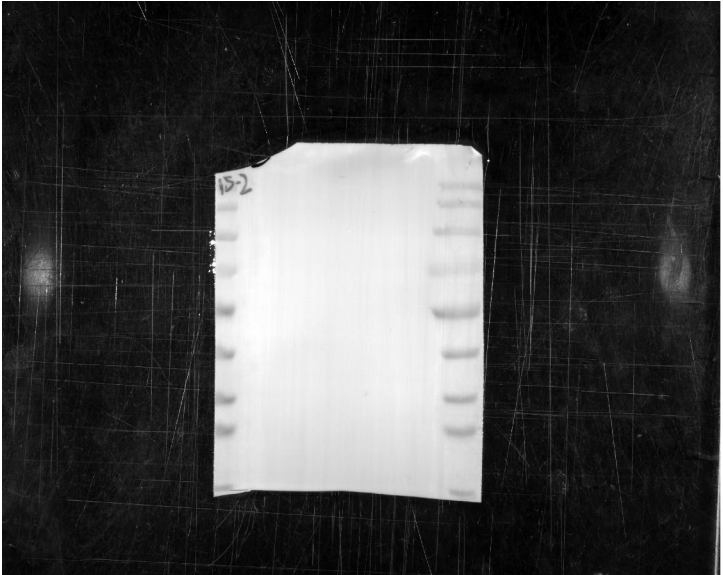
H1299 OE N-ca



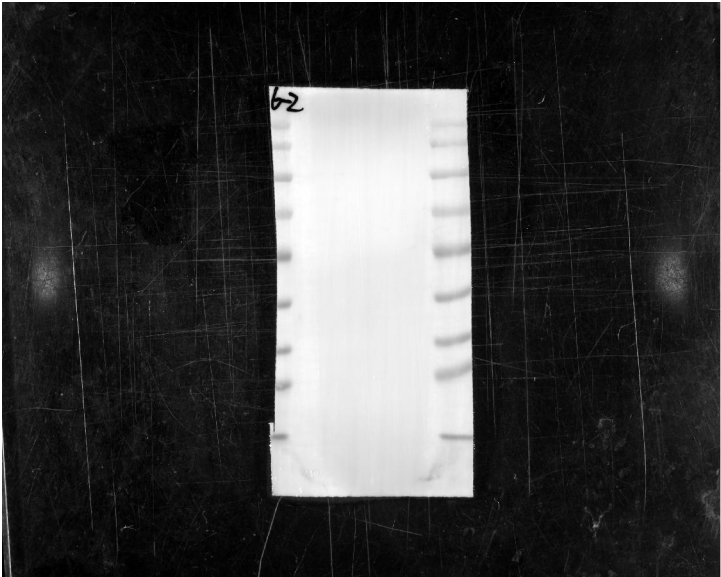
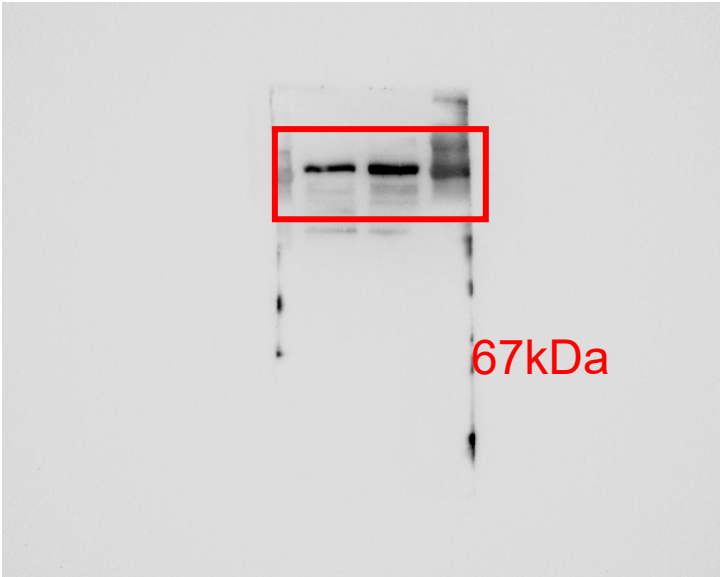
A549 SH N-ca



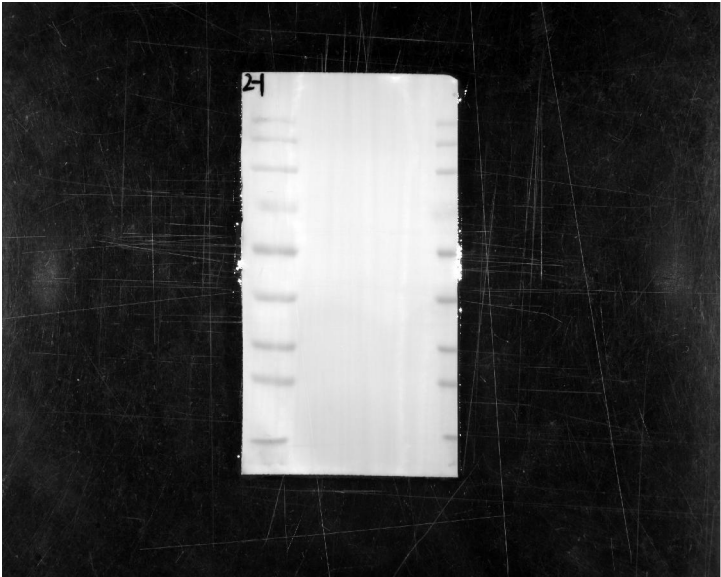
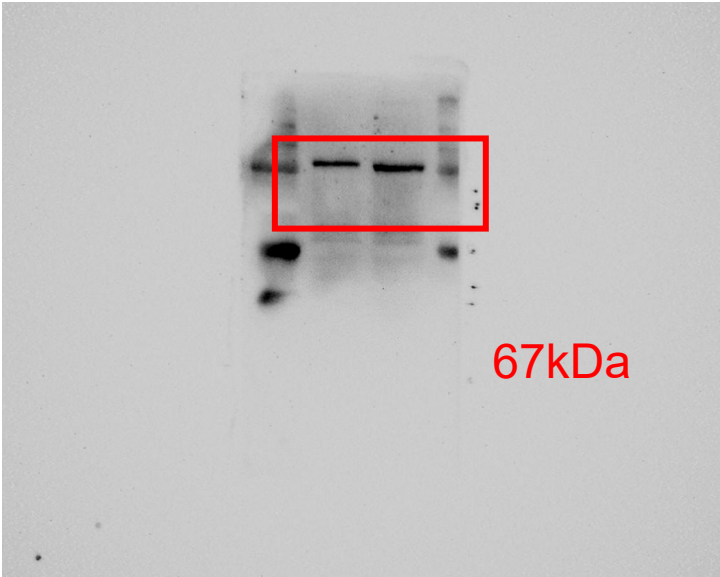
H1299 SH N-ca



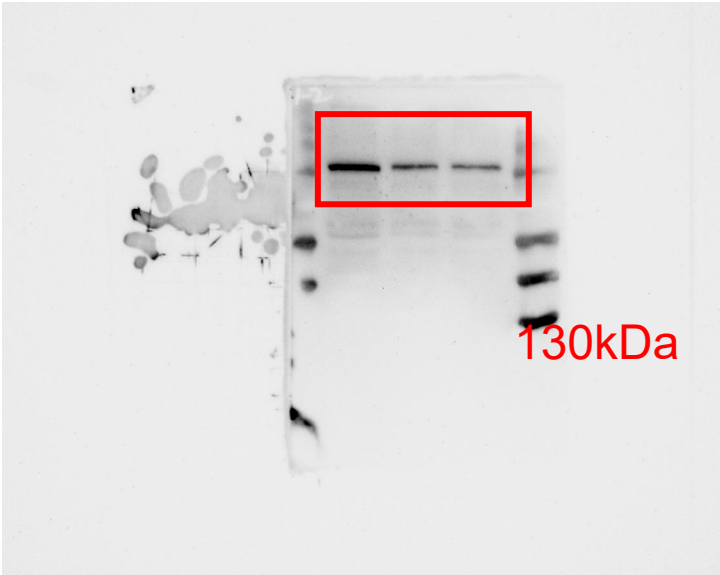
A549 OE mmp9



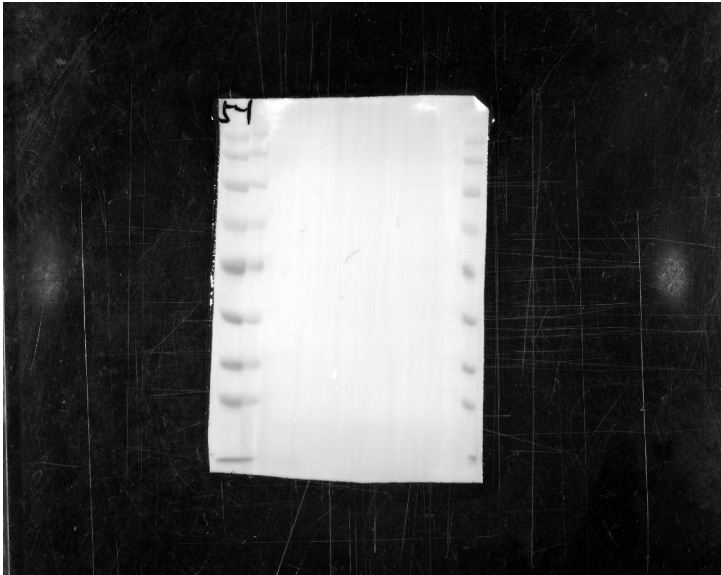
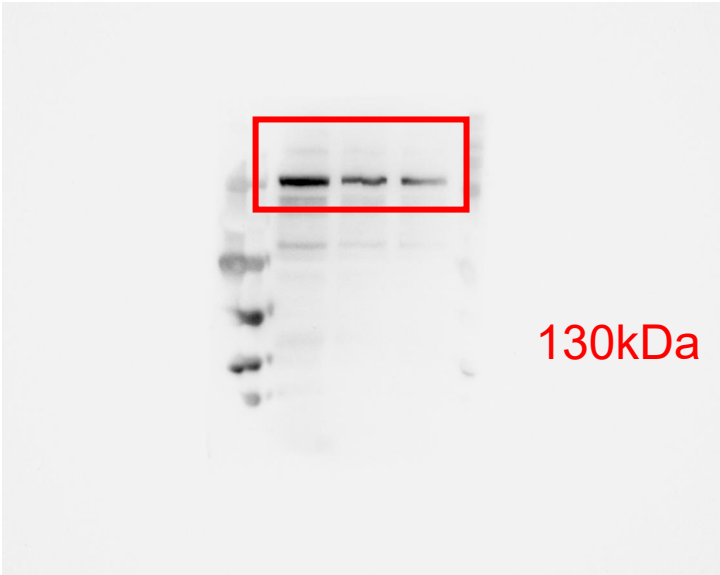
H1299 OE
mmp9



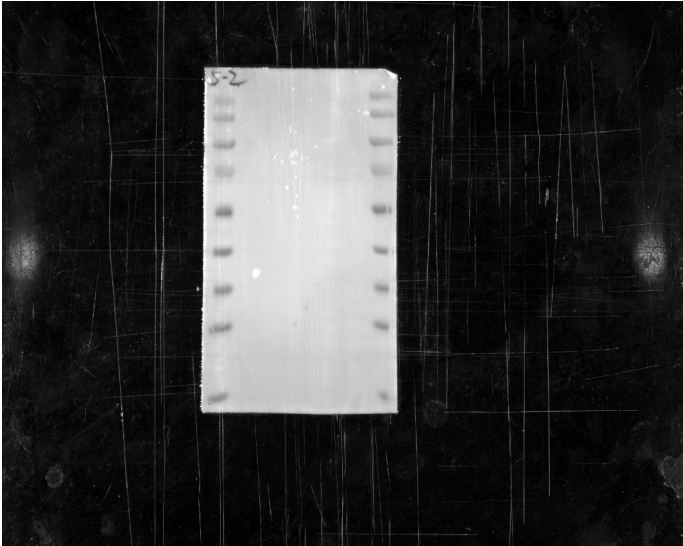
A549 SH mmp9



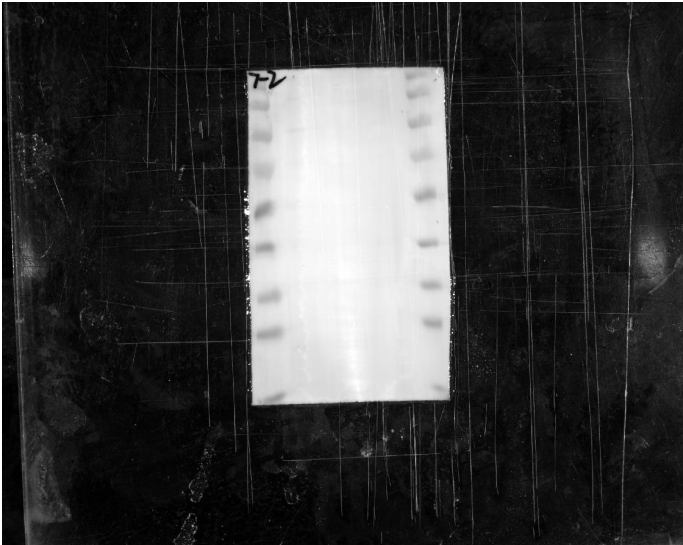
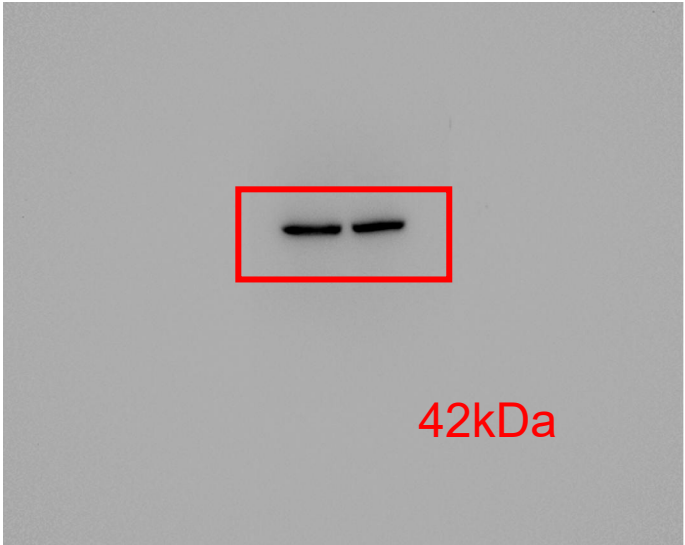
H1299 SH
mmp9



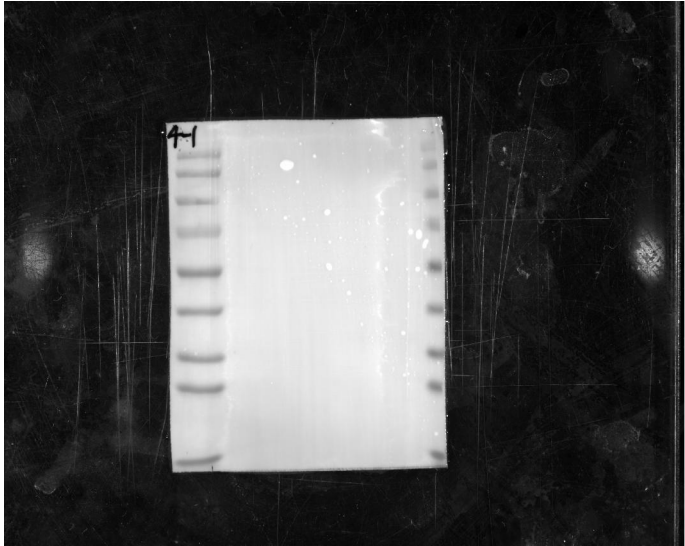
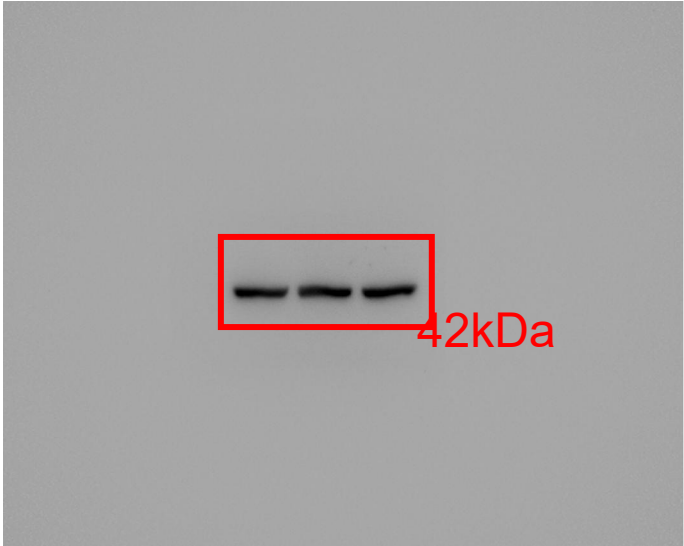
A549 OE β -actin



H1299 OE β -actin



A549 sh β -actin



H1299 sh β -actin

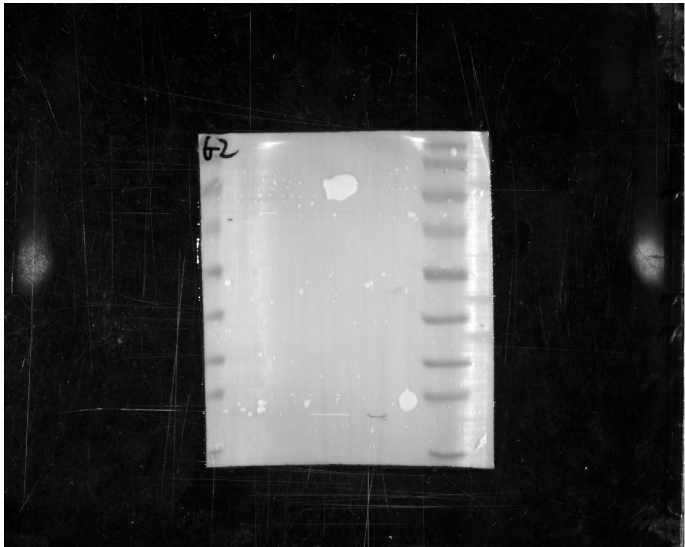
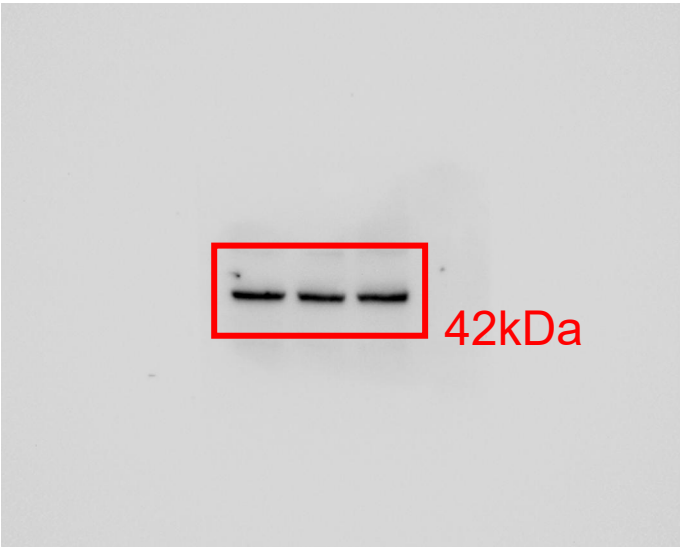
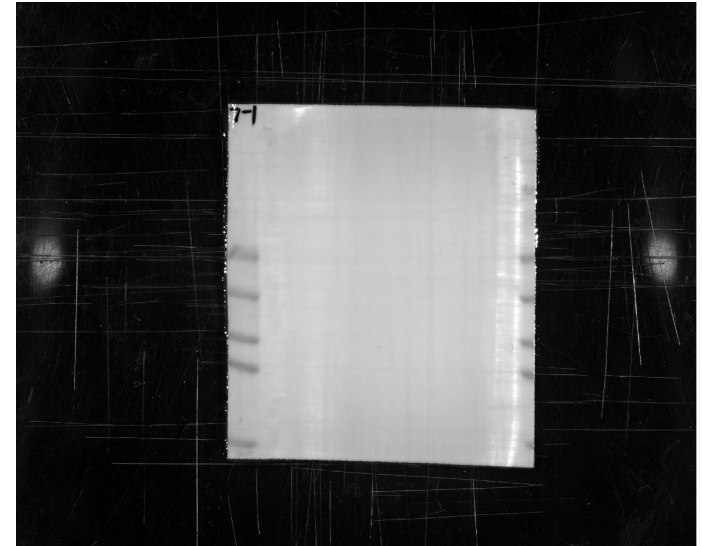
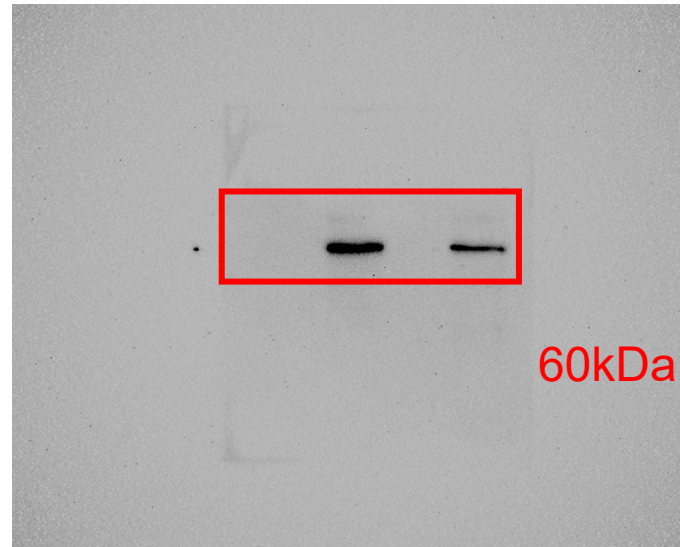
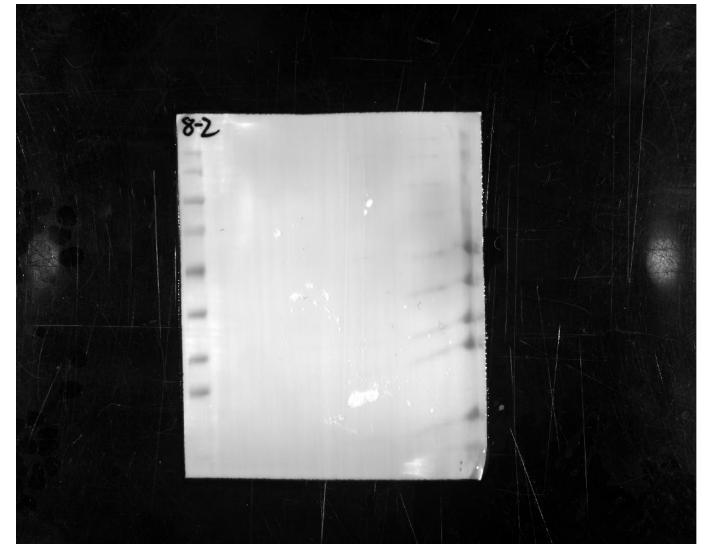
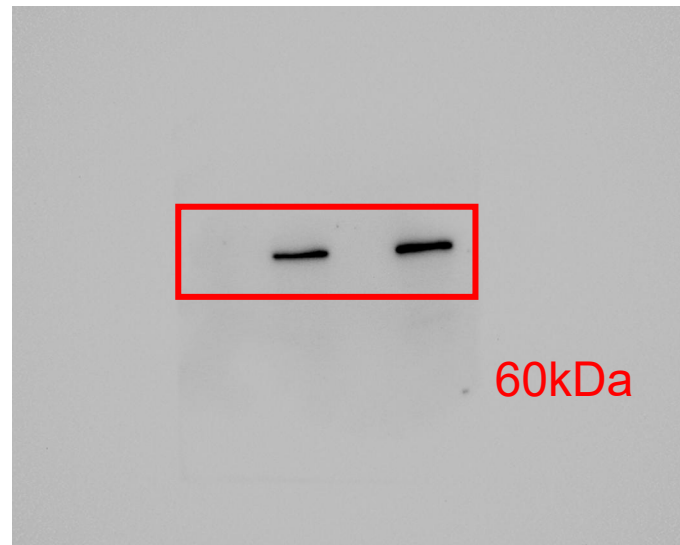


fig3

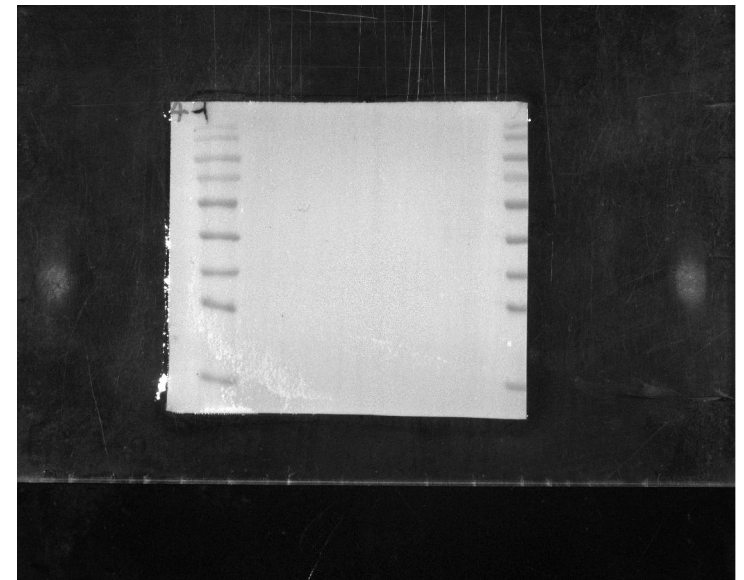
A549 flag-zc3h15



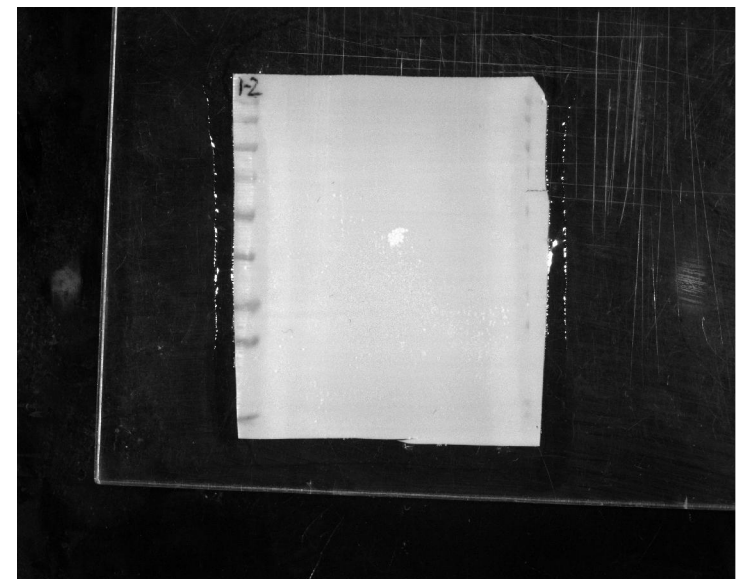
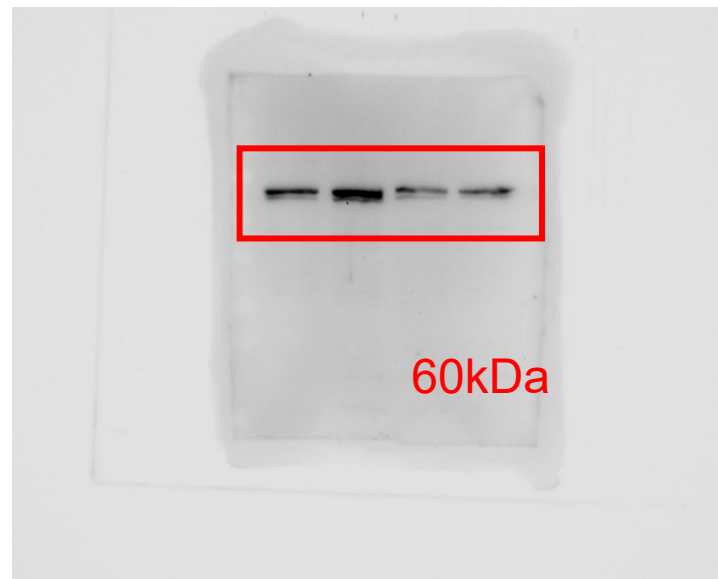
H1299 flag-zc3h15



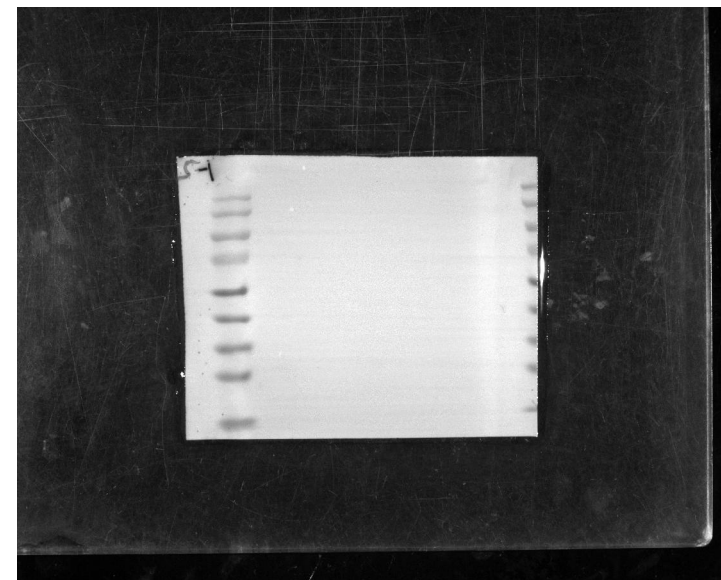
A549 P-AKT



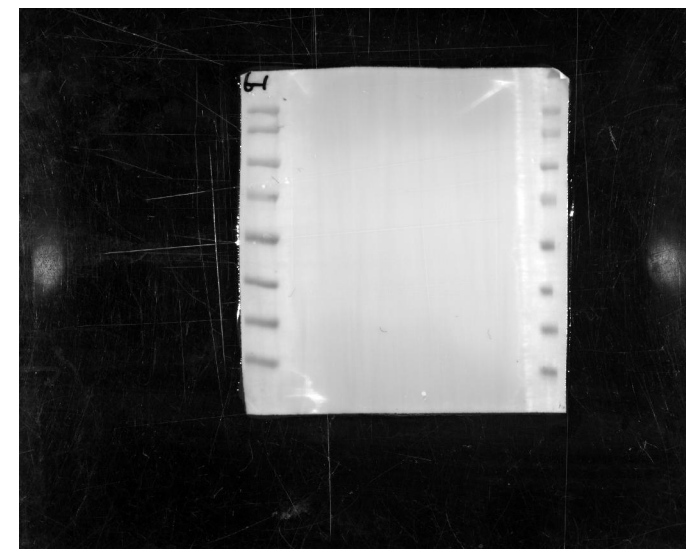
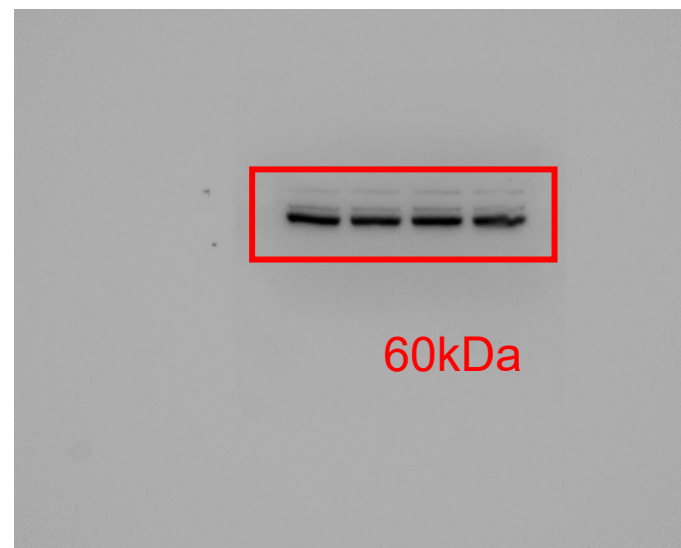
H1299 P-AKT



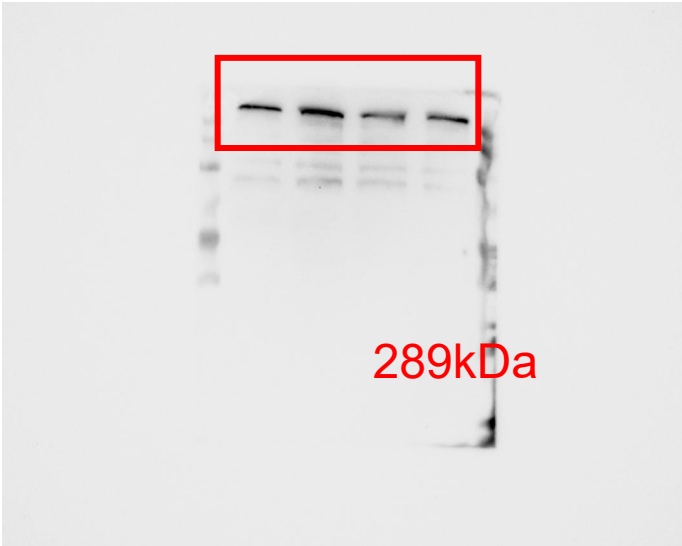
A549 AKT



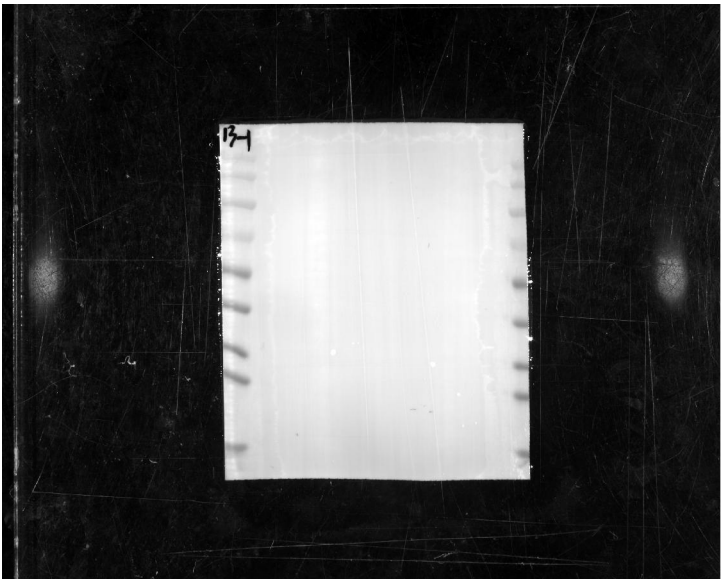
H1299 AKT



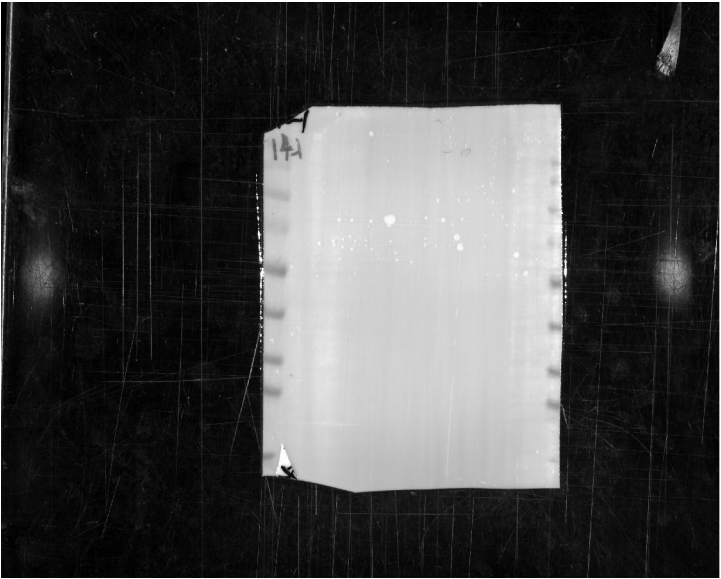
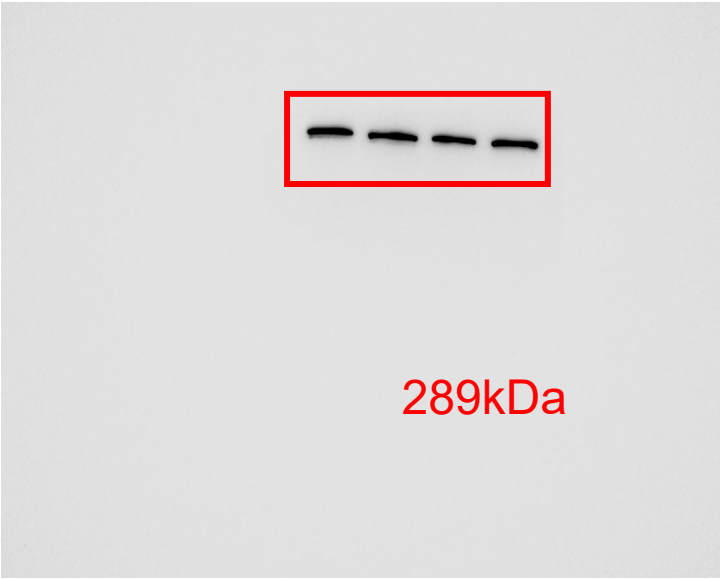
A549 p-mtor



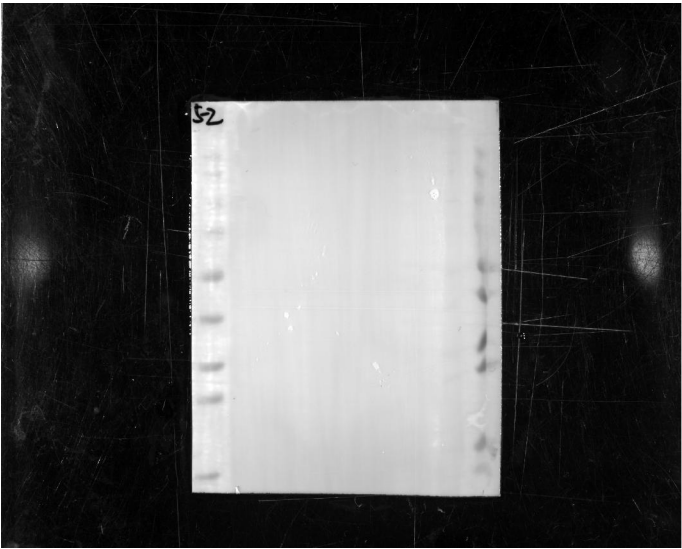
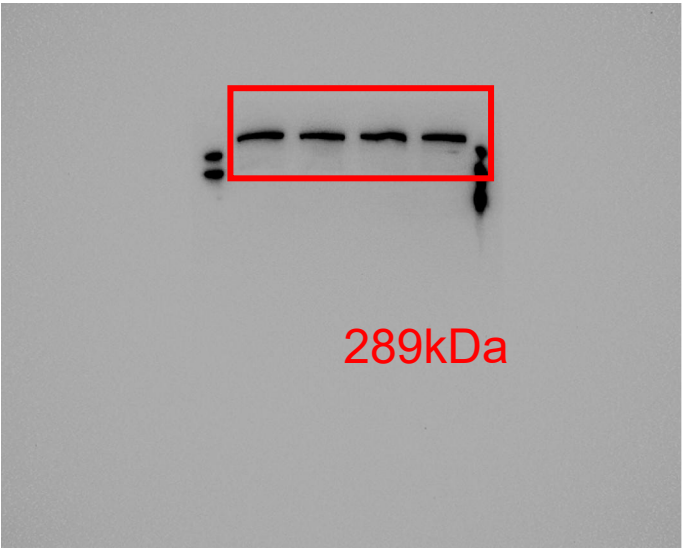
H1299 p-mtor



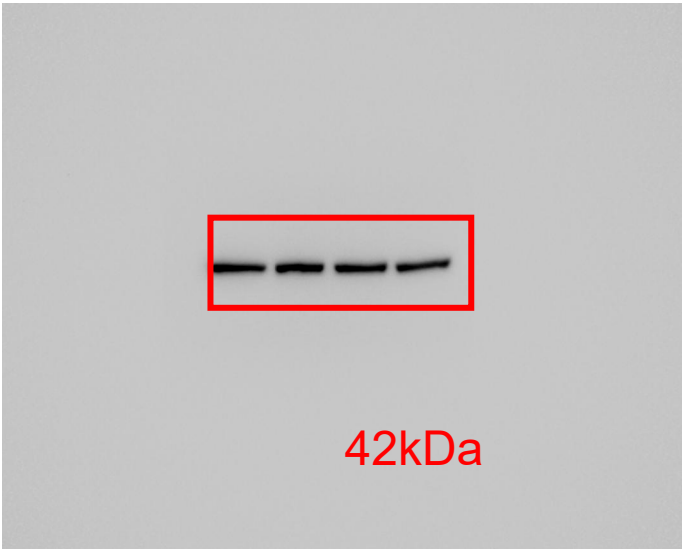
A549 mtor



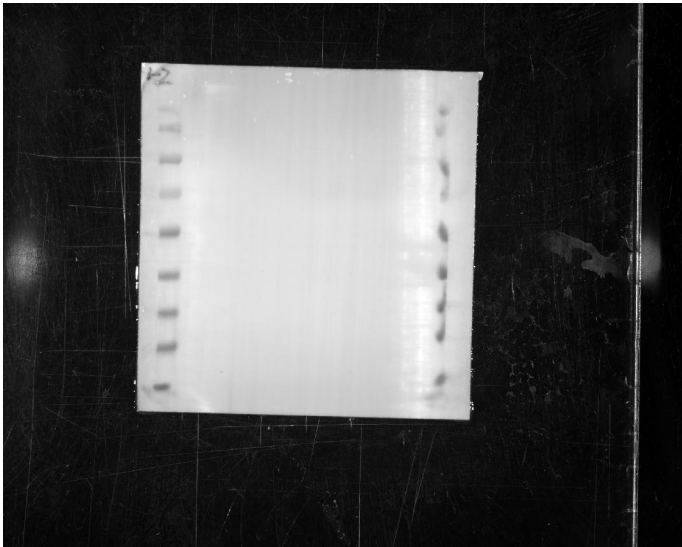
H1299 mtor



A549 β -actin

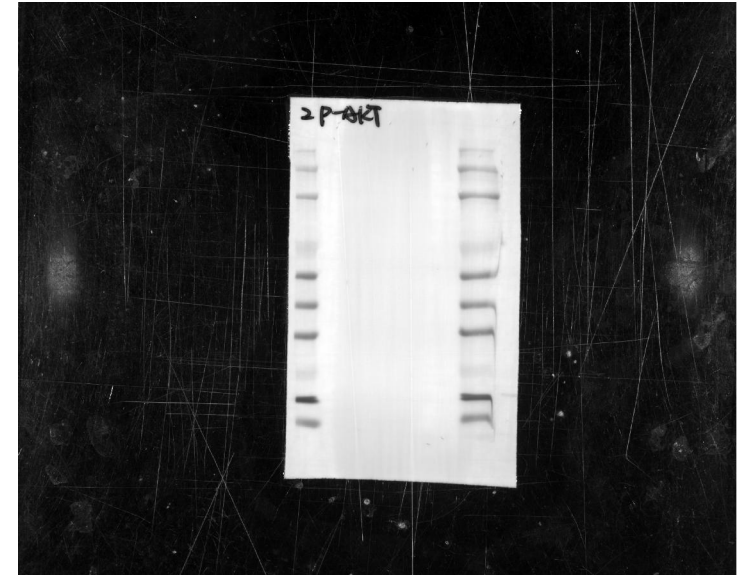


H1299 β -actin

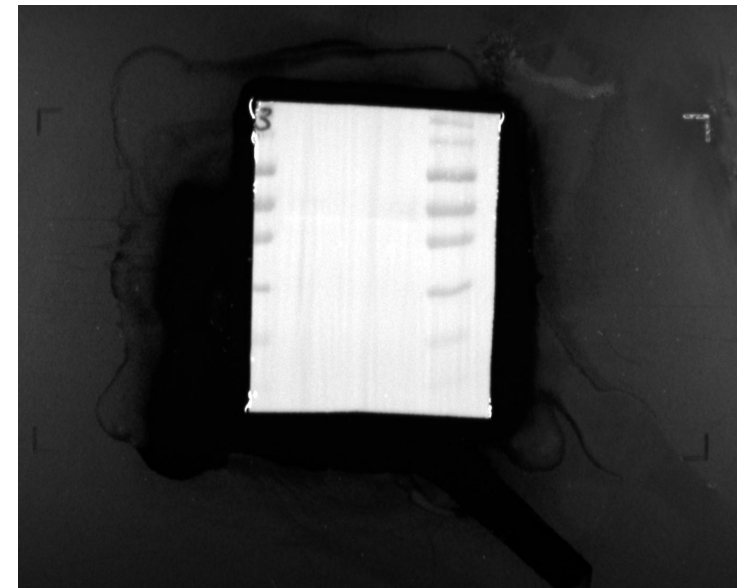
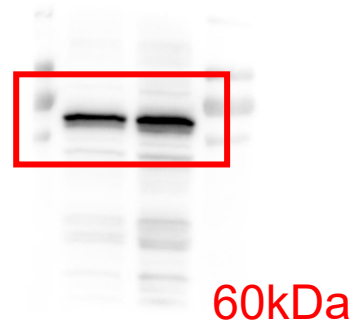


S-fig3

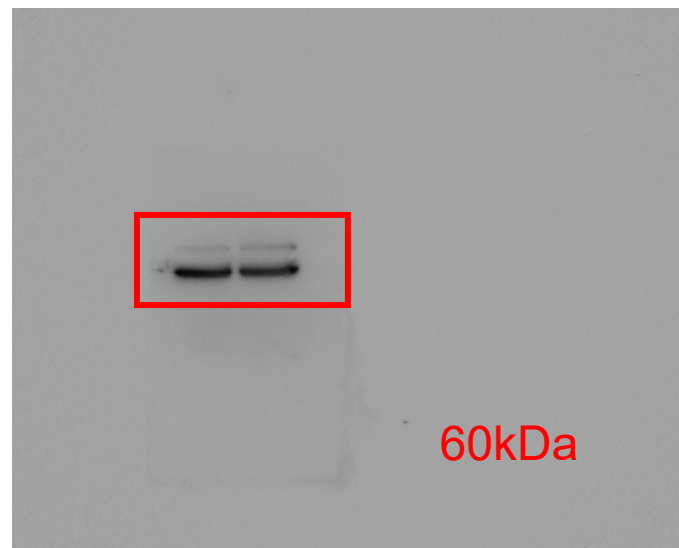
A549 OE P-AKT



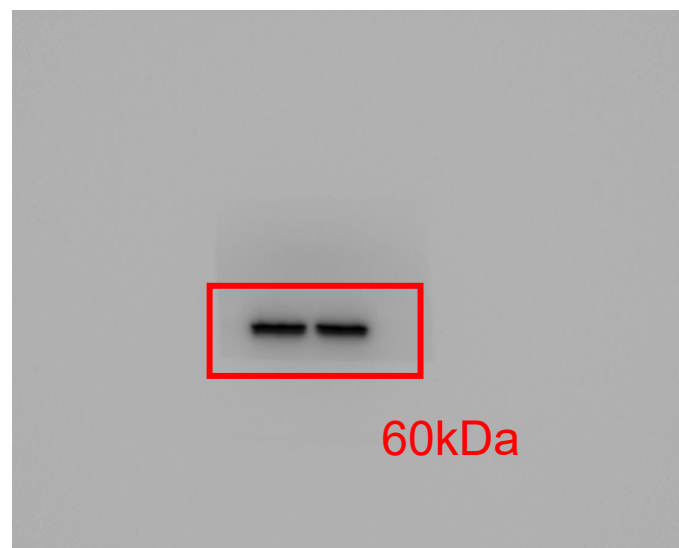
H1299 OE P-AKT



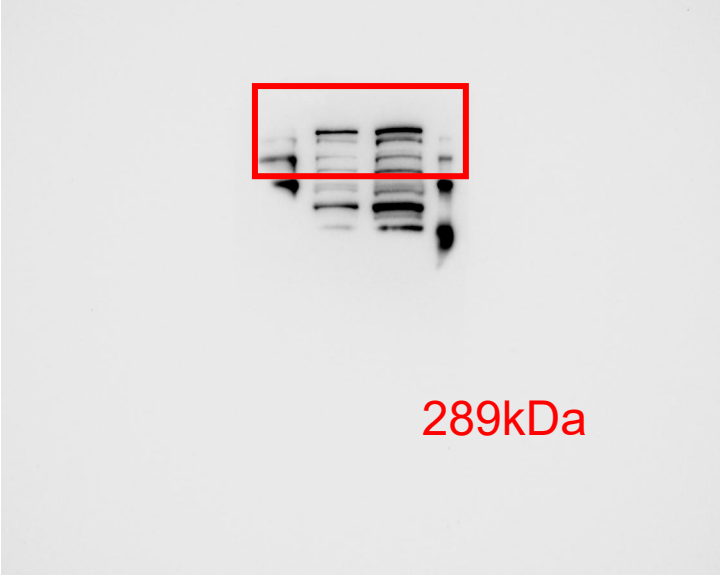
A549 OE AKT



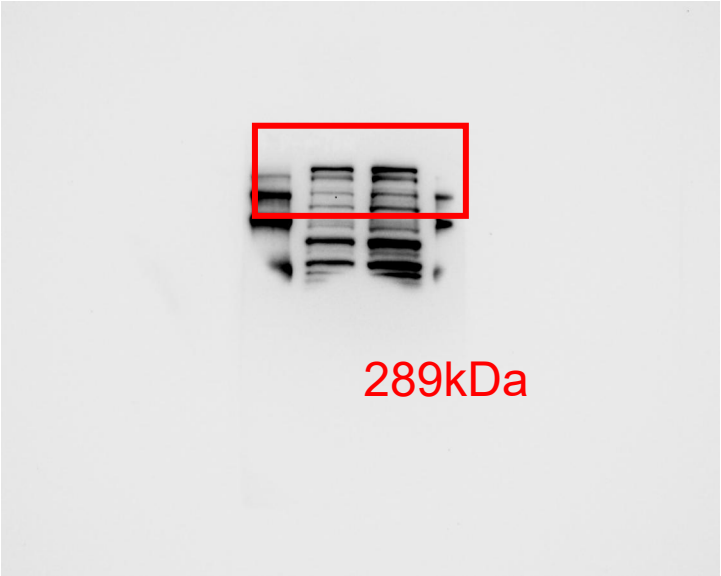
H1299 OE AKT



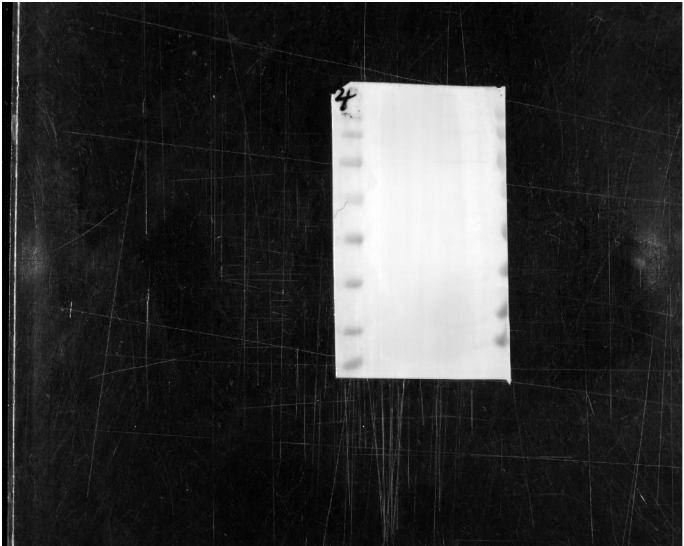
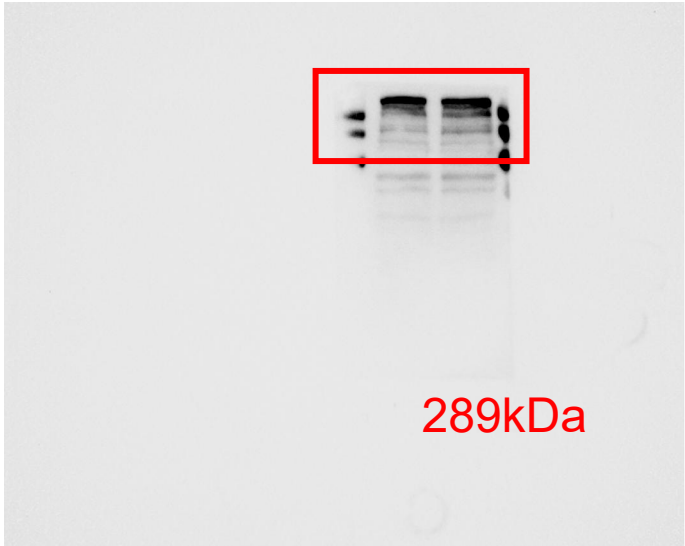
A549 OE p-mtor



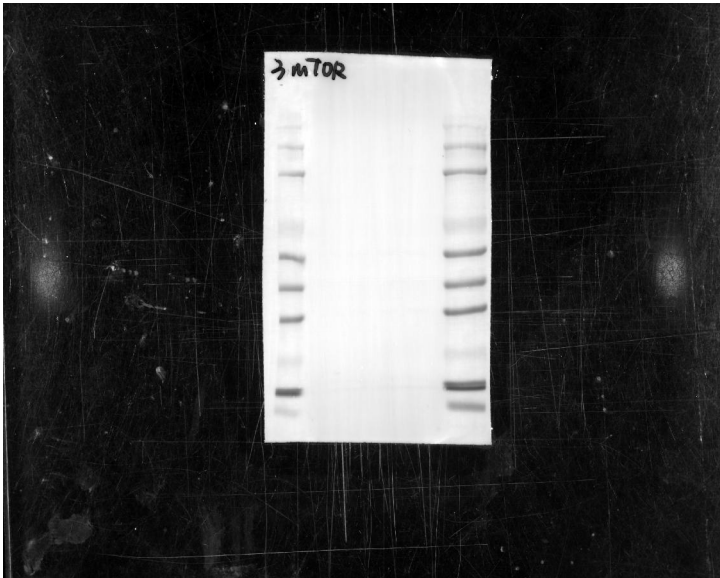
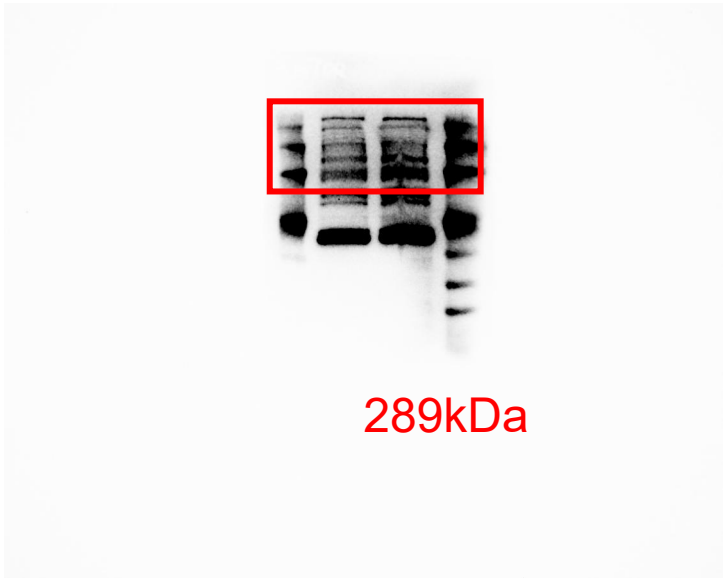
H1299 OE p-mtor



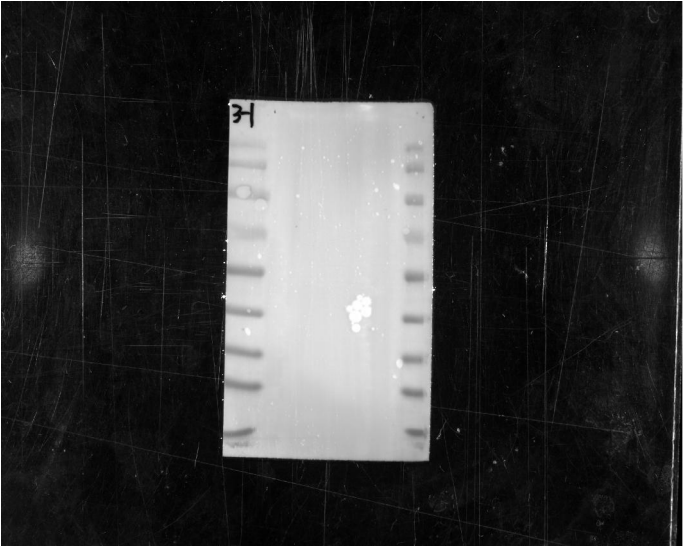
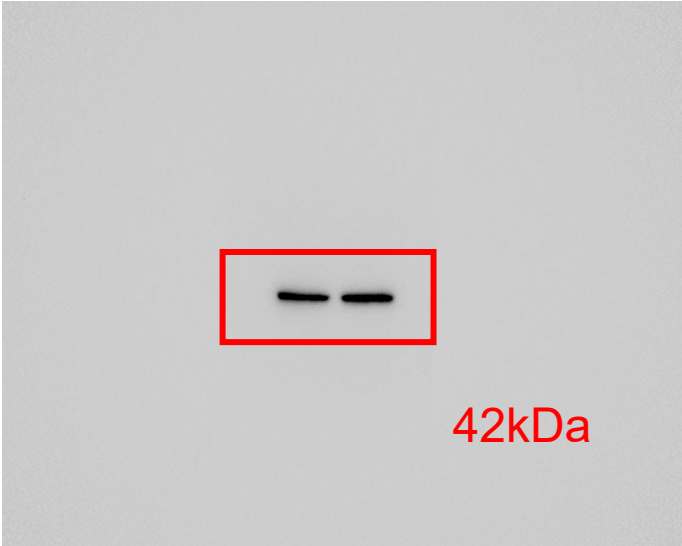
A549 OE mtor



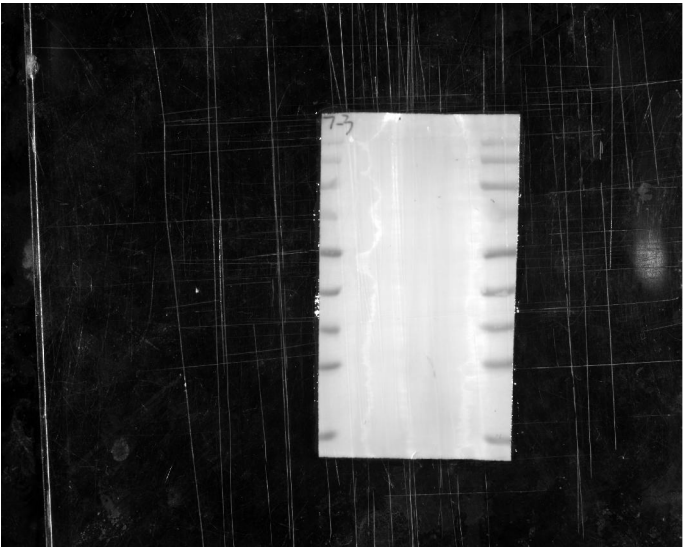
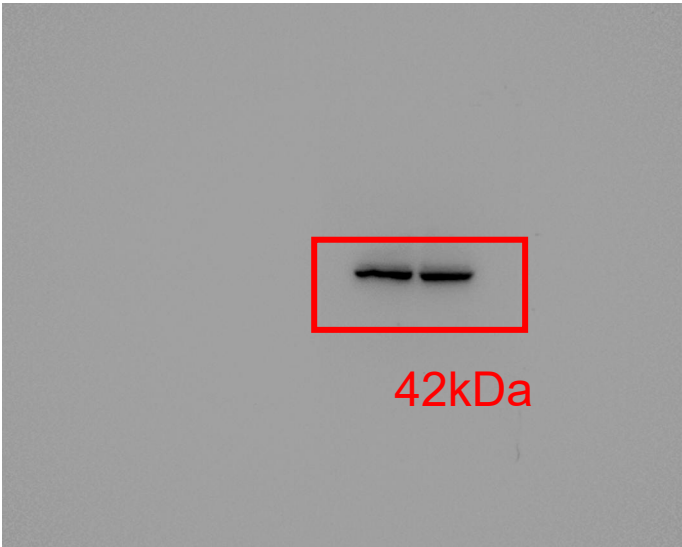
H1299 OE mtor



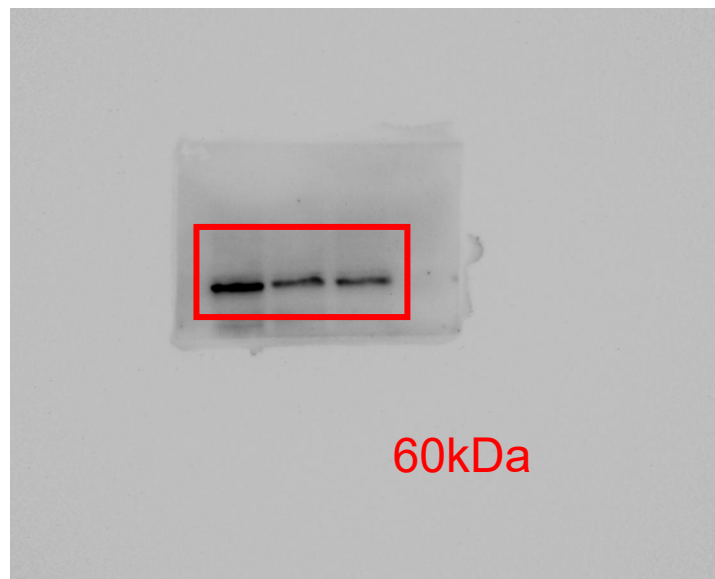
A549 OE β -actin



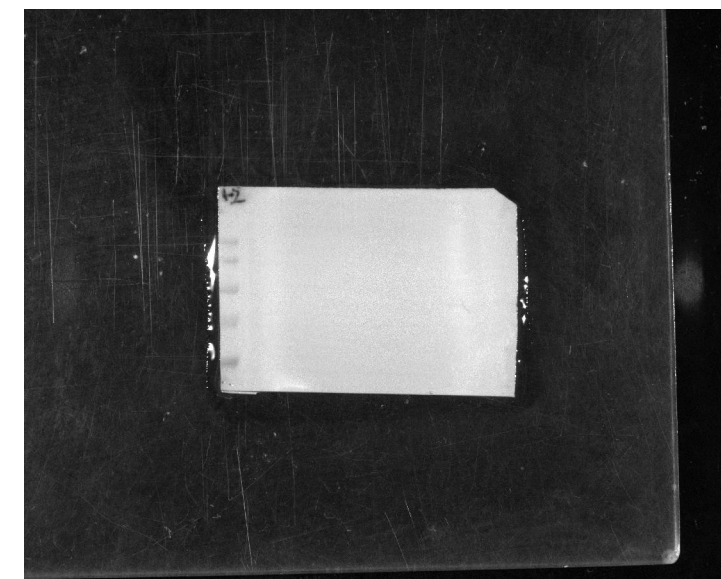
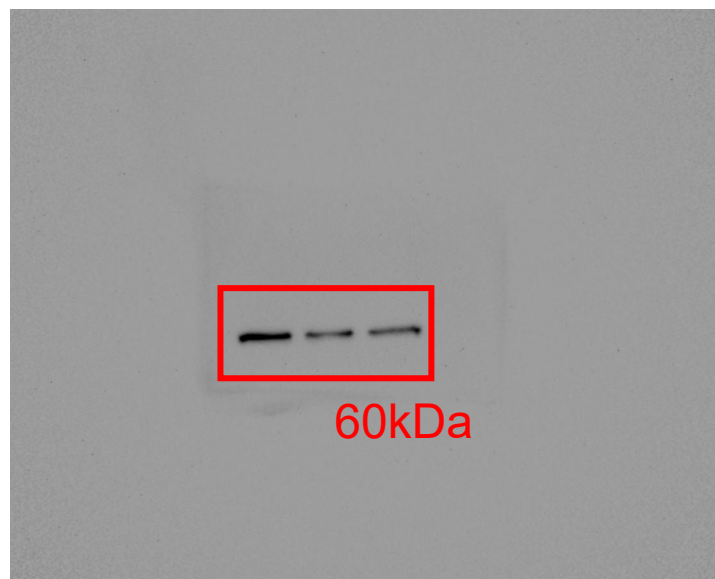
H1299 OE β -actin



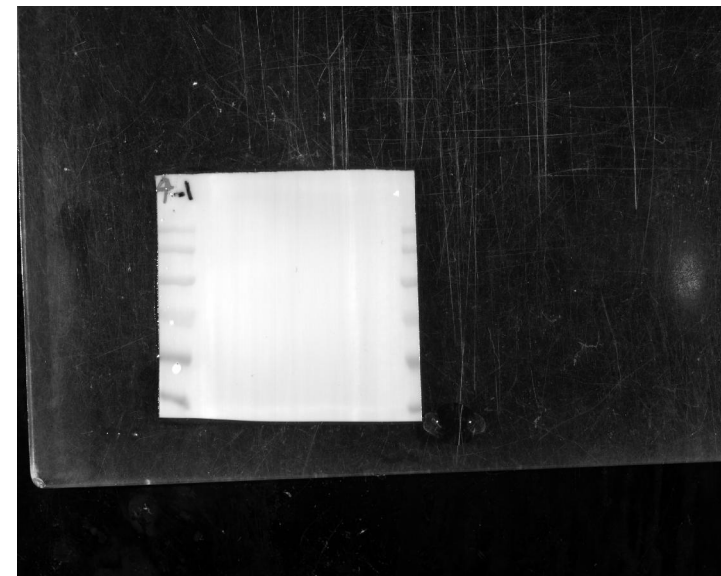
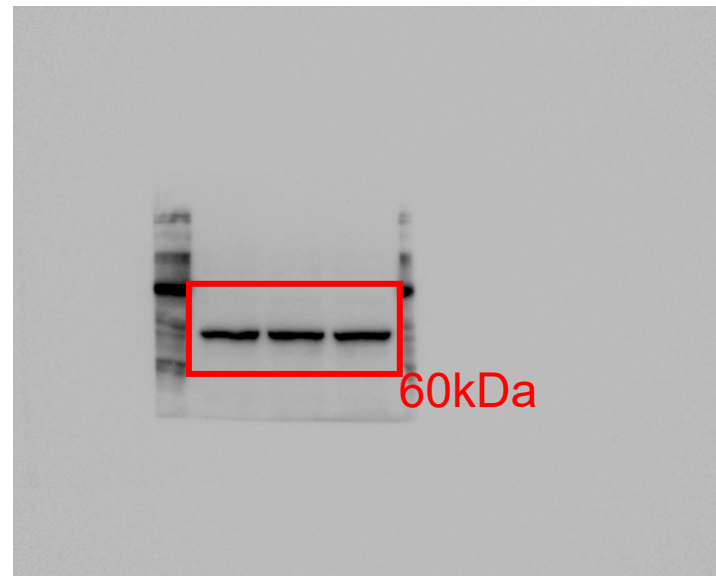
A549 sh P-AKT



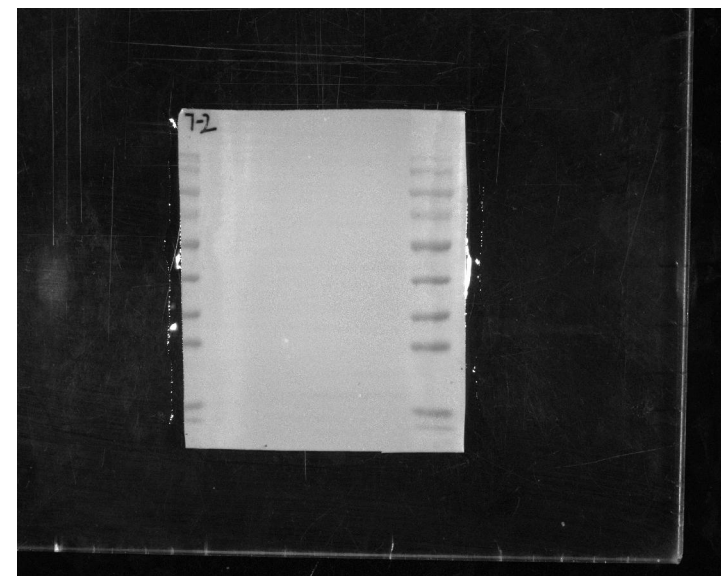
H1299 sh P-AKT



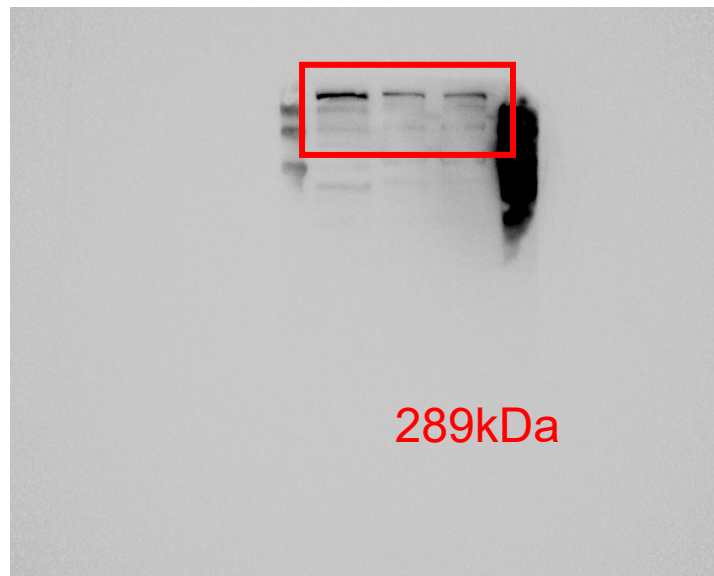
A549 sh AKT



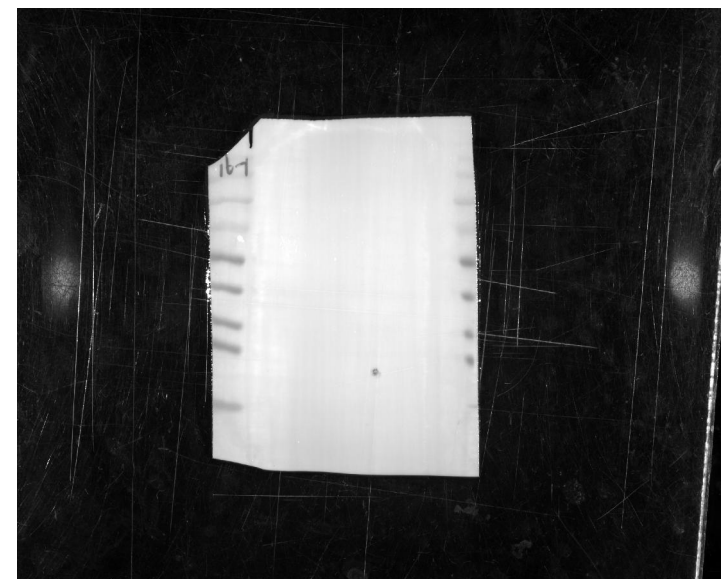
H1299 sh AKT



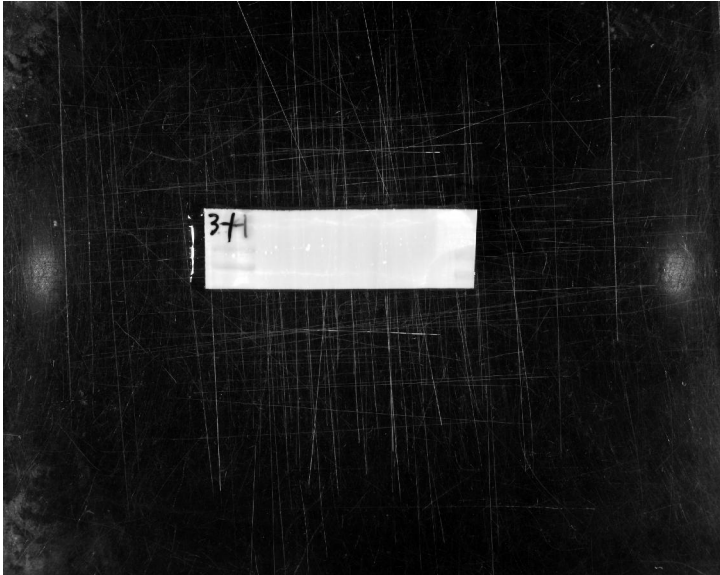
A549 sh p-mtor



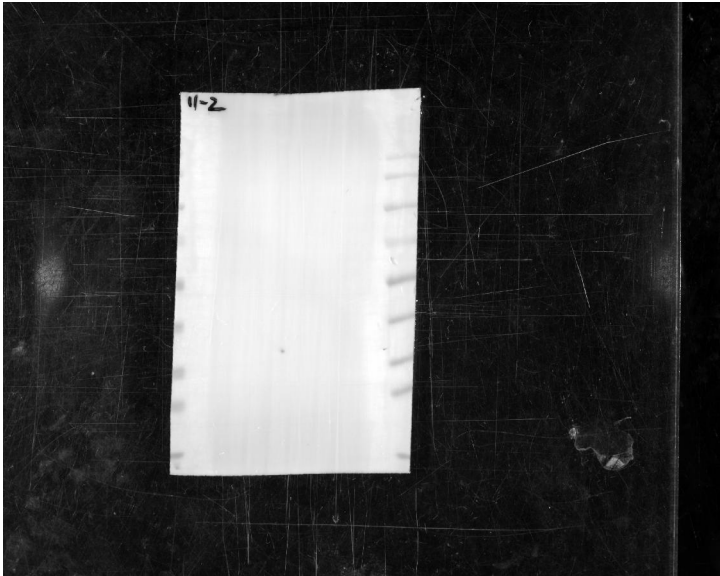
H1299 sh p-mtor



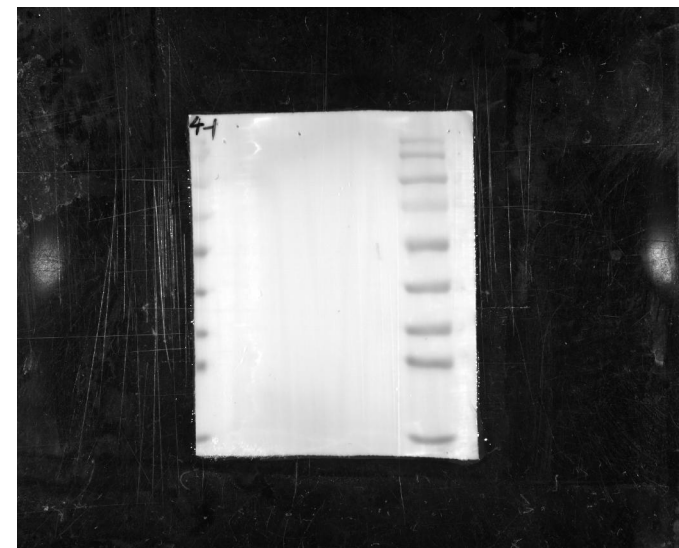
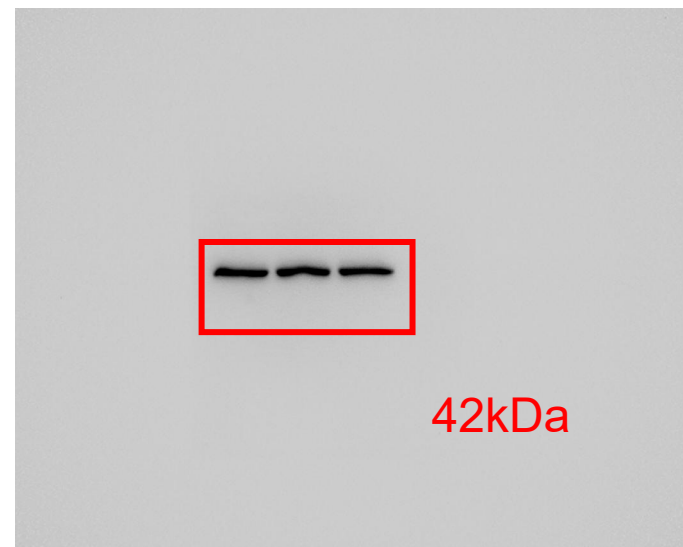
A549 sh mtor



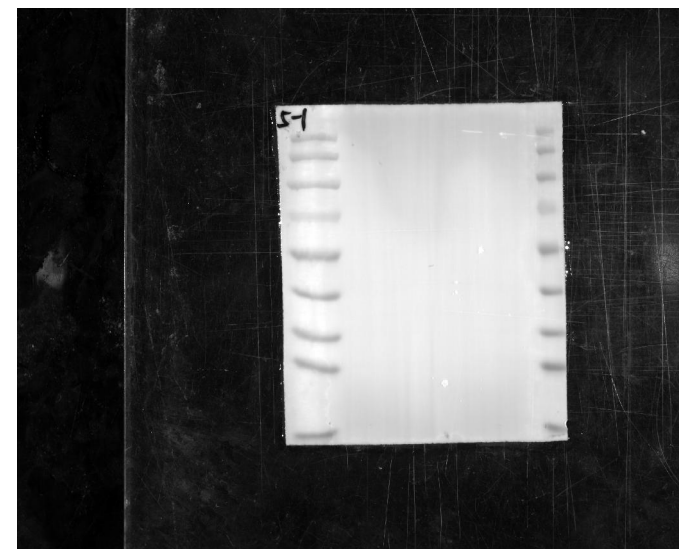
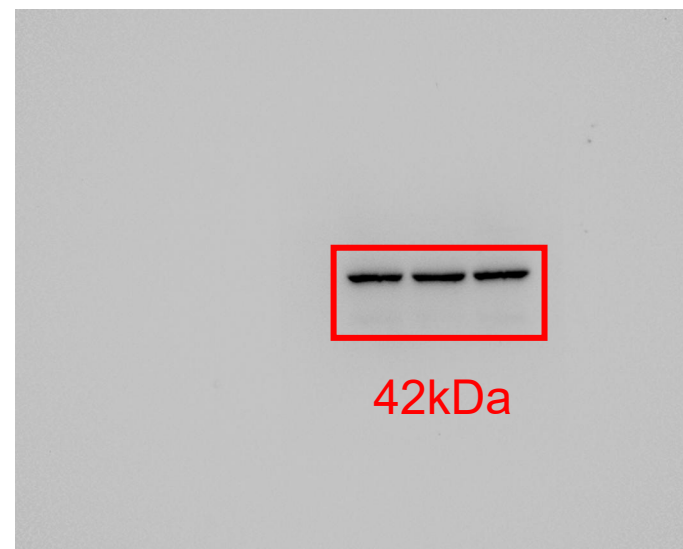
H1299 sh mtor



A549 sh β -actin

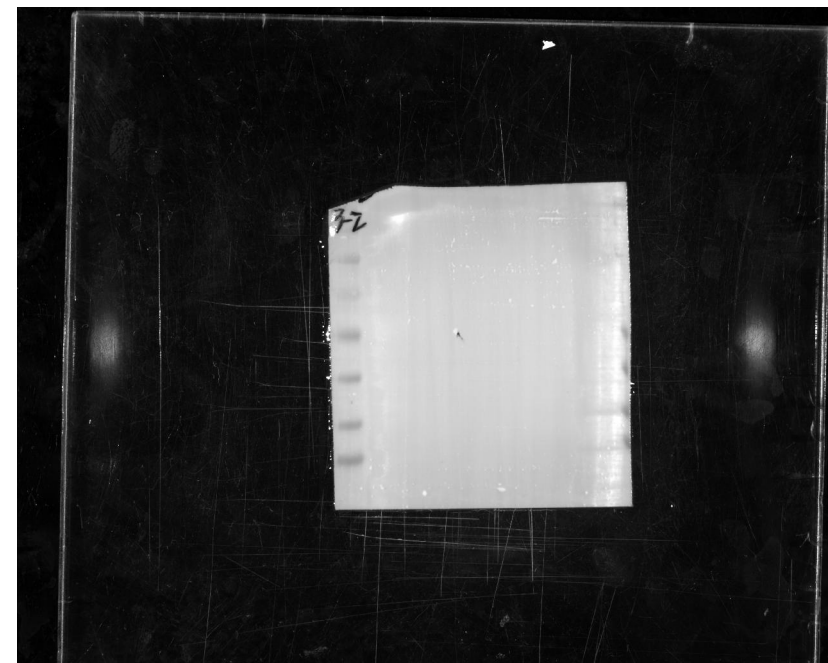


H1299 sh β -actin

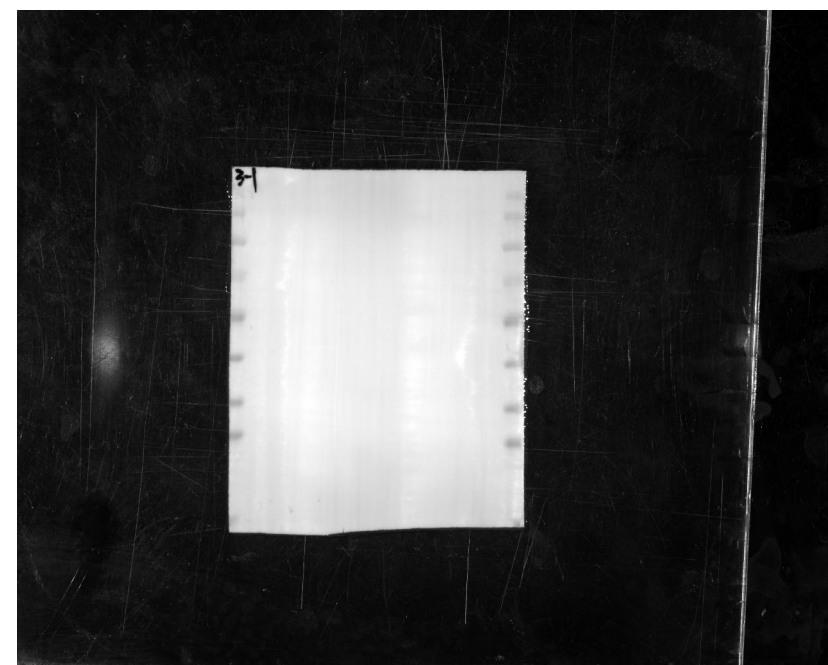


S-fig5

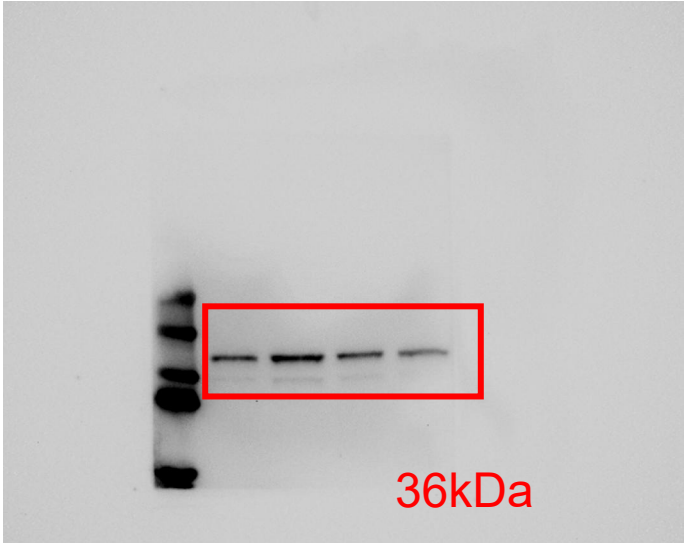
A549 CDK4



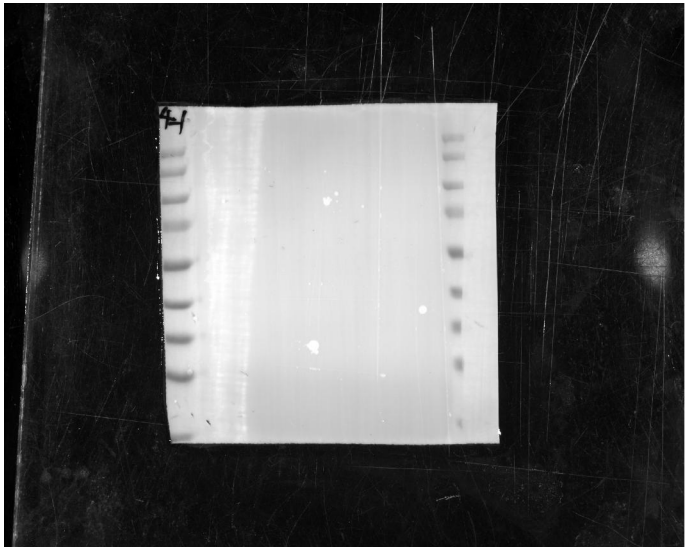
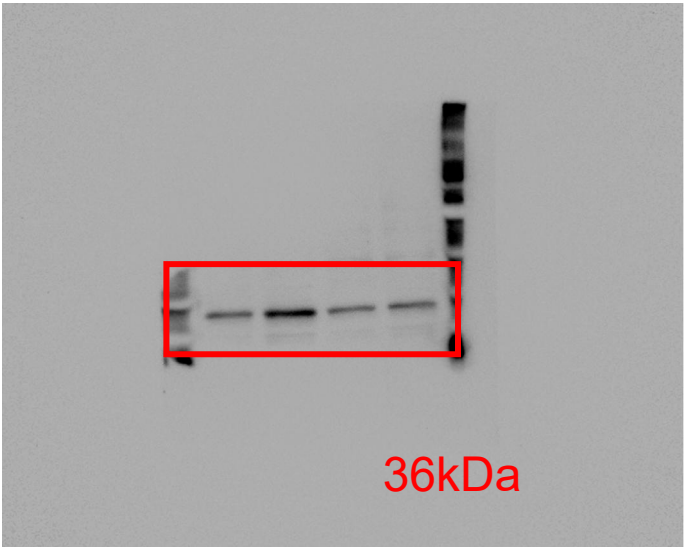
H1299 CDK4



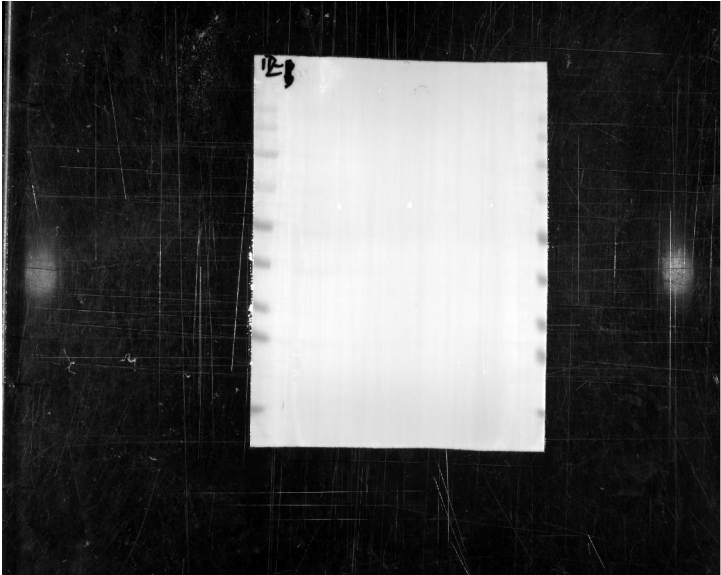
A549 CDK6



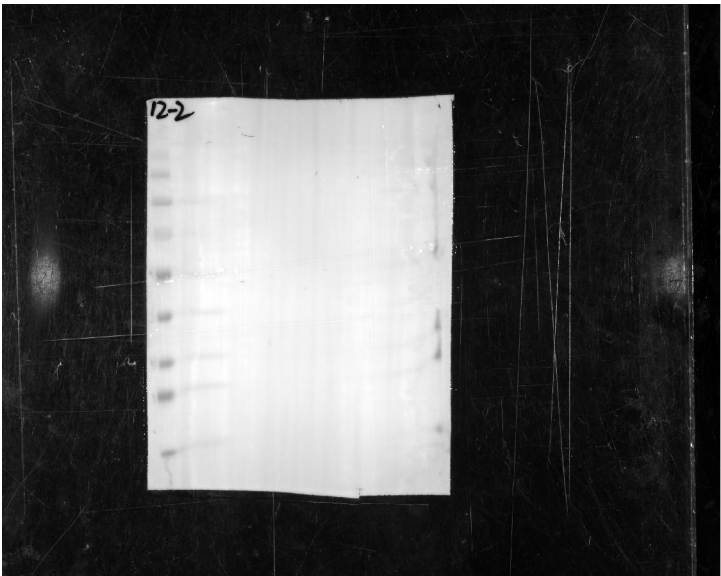
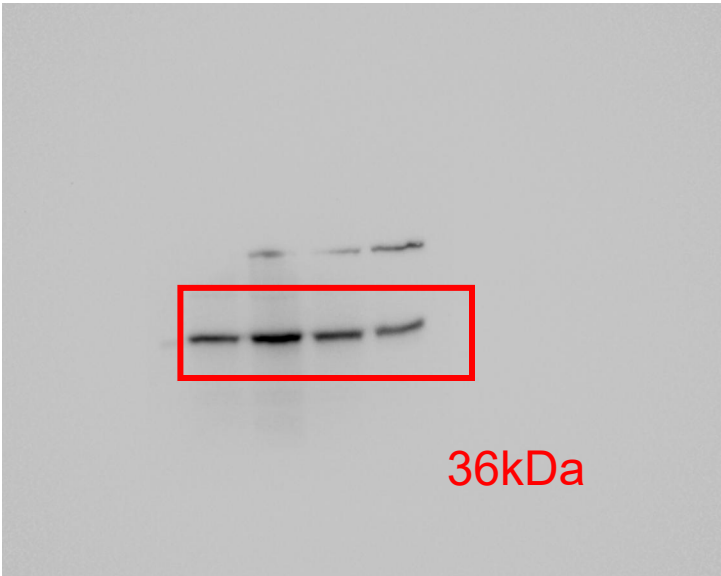
H1299 CDK6



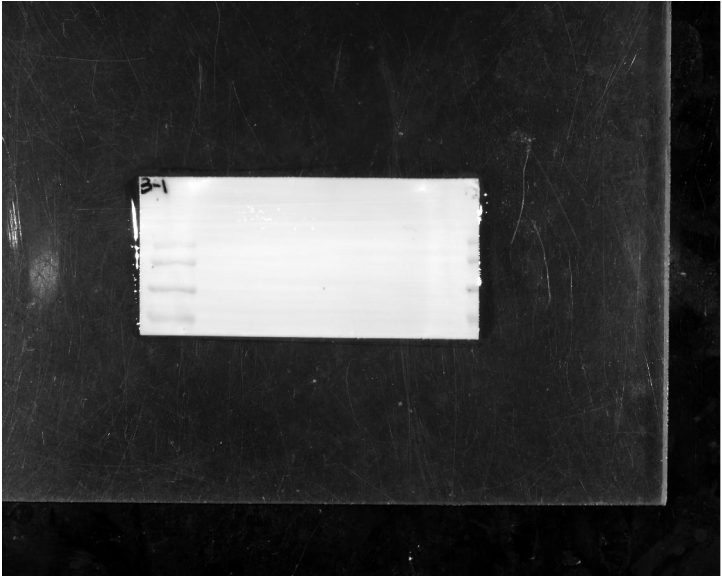
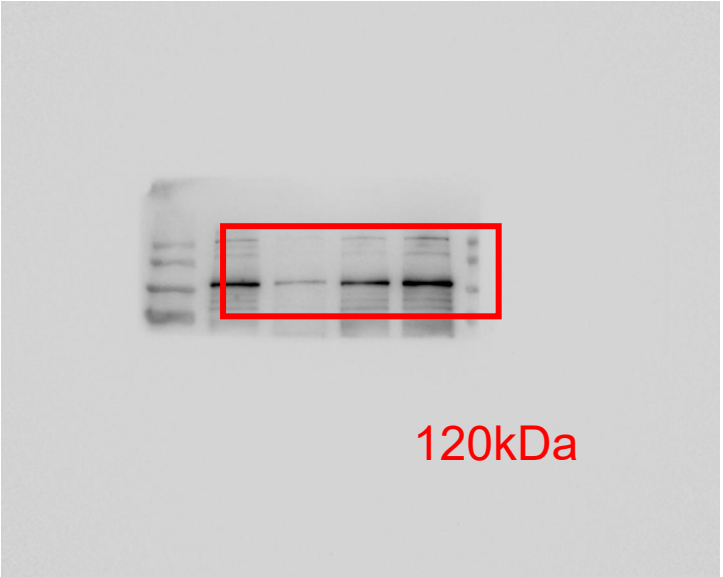
A549 d1



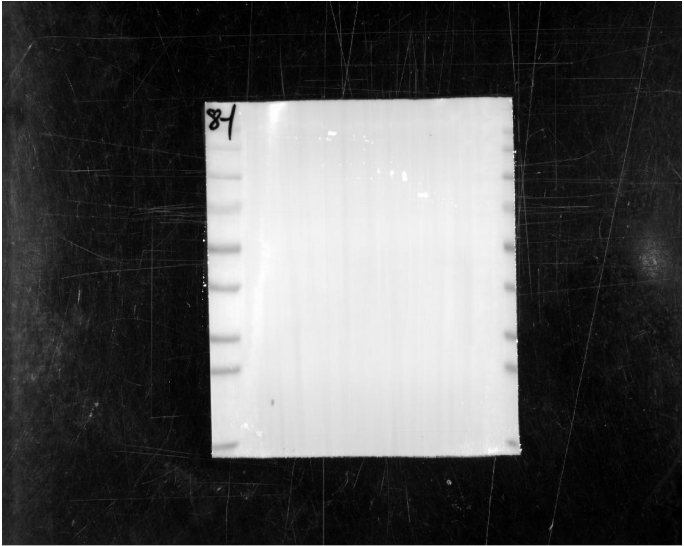
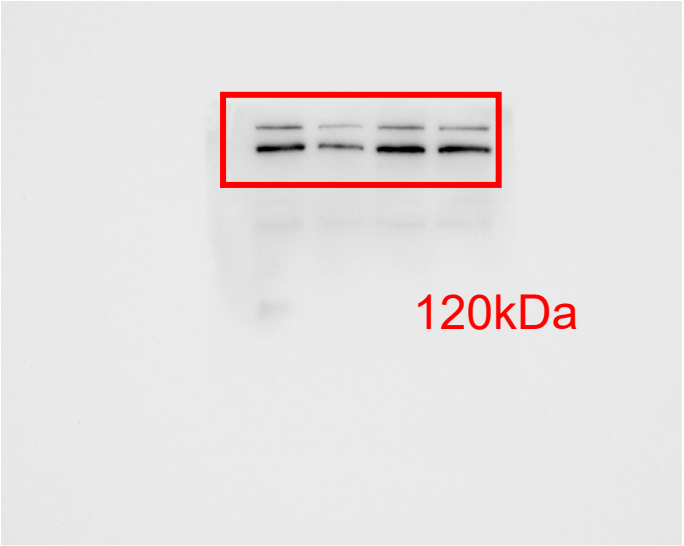
H1299 d1



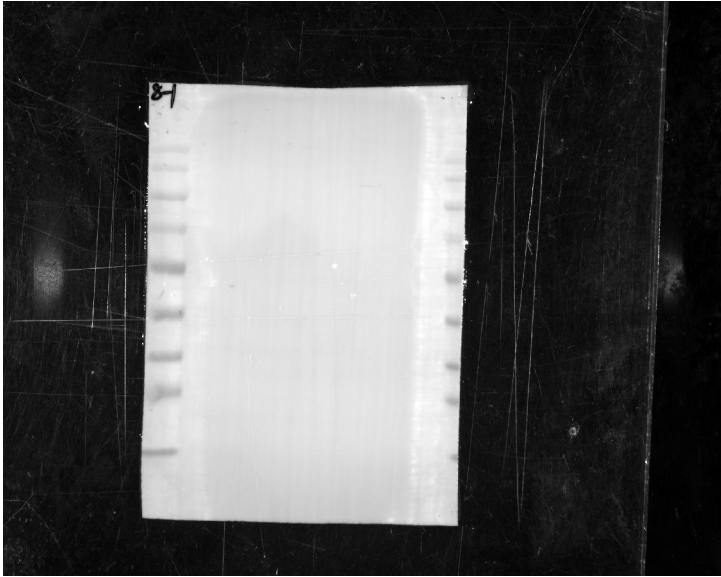
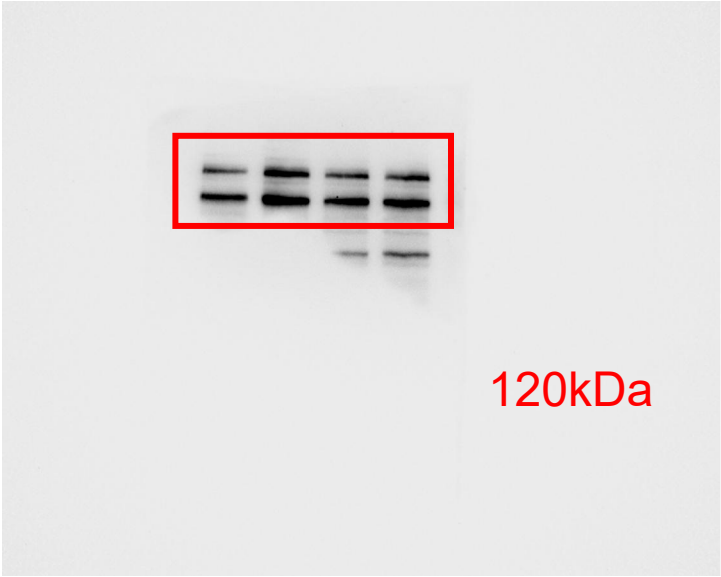
A549 E-ca



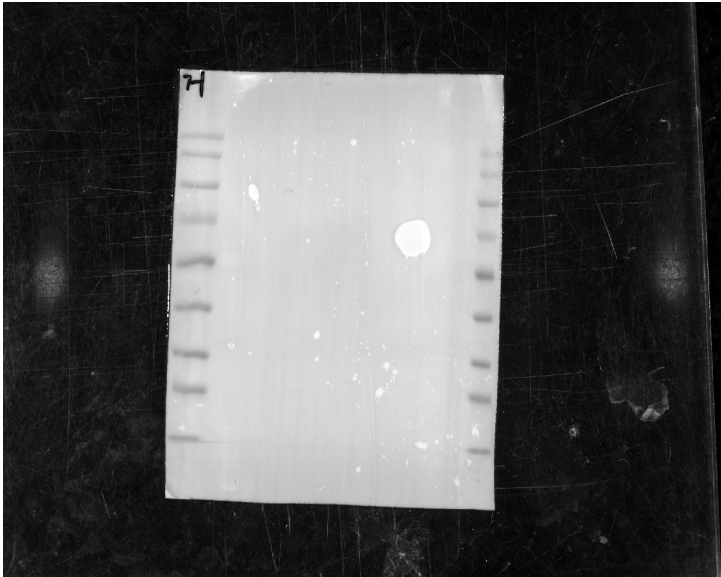
H1299 E-ca



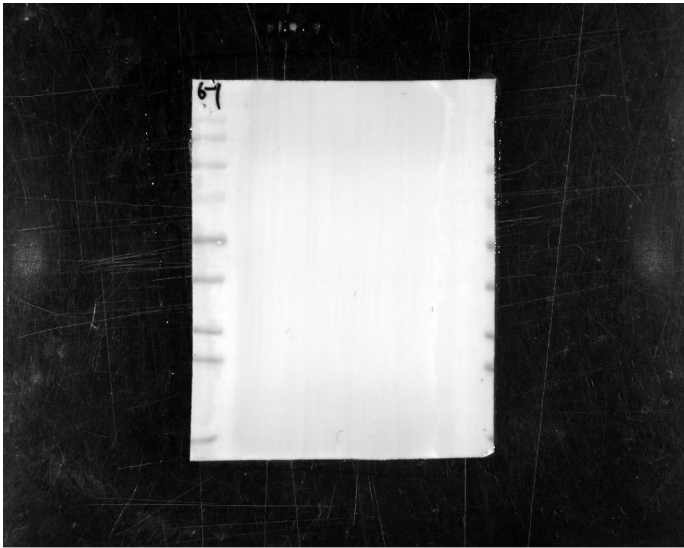
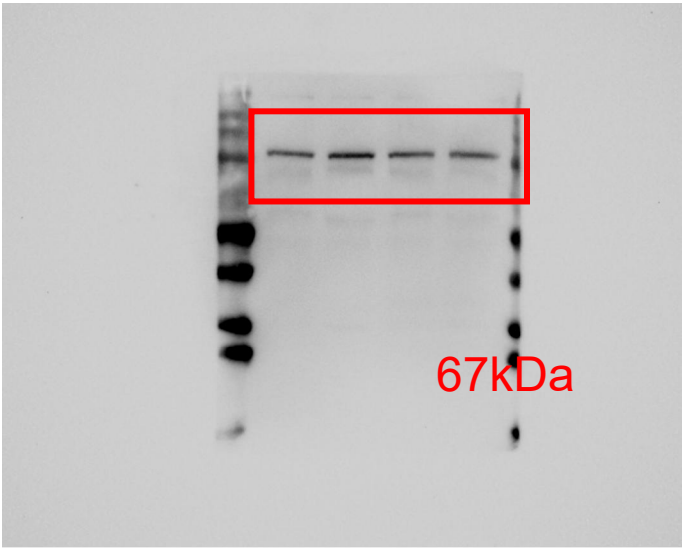
A549 N-ca



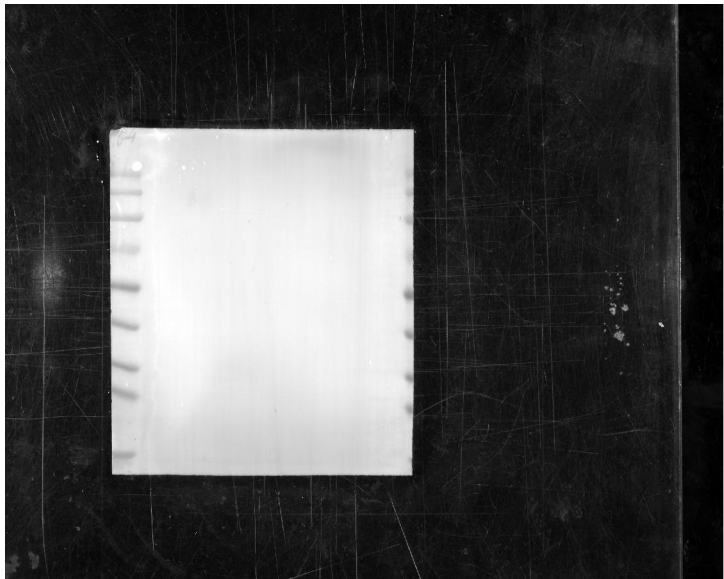
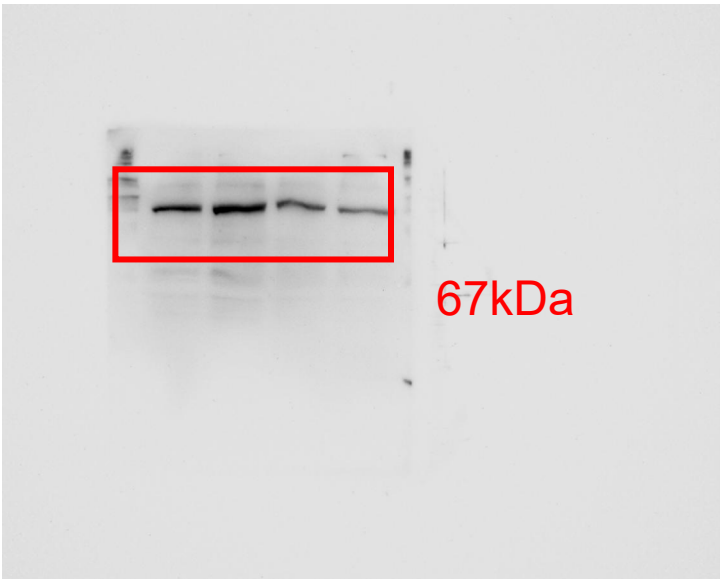
H1299 N-ca



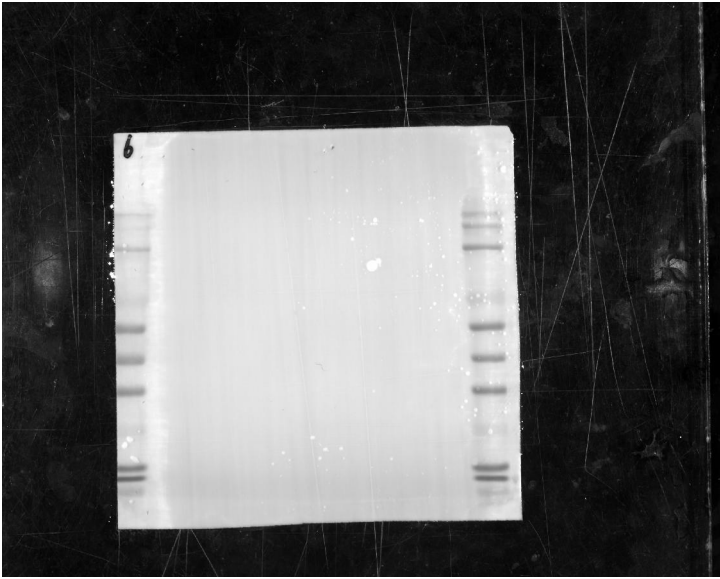
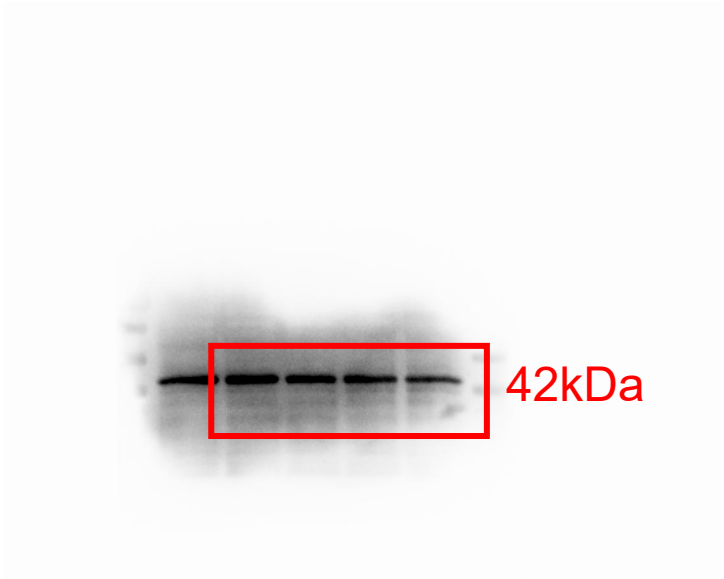
A549 mmp9



H1299 mmp9



A549 β -actin



H1299 β -actin

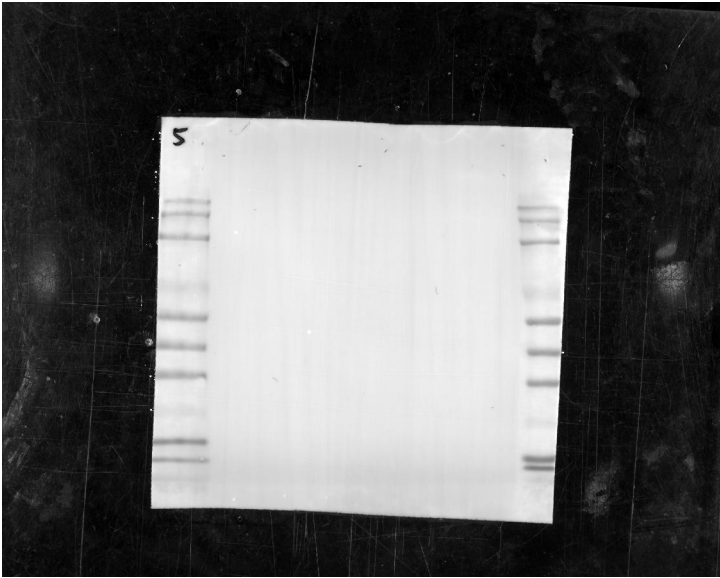
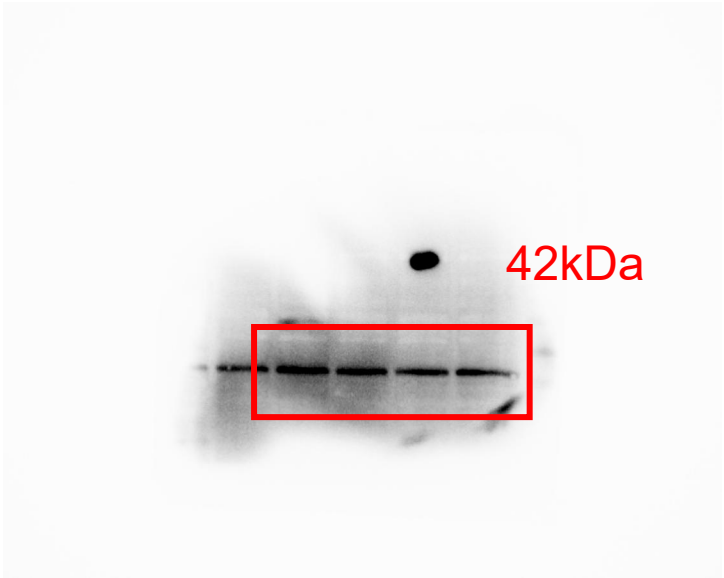
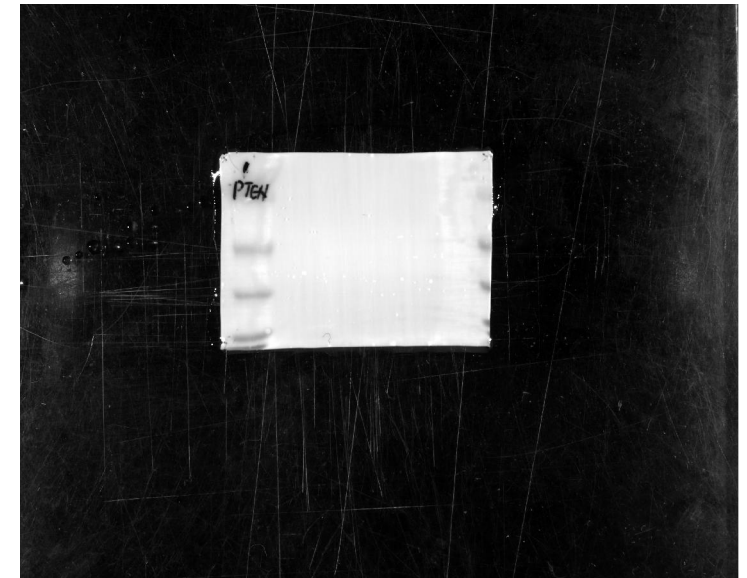
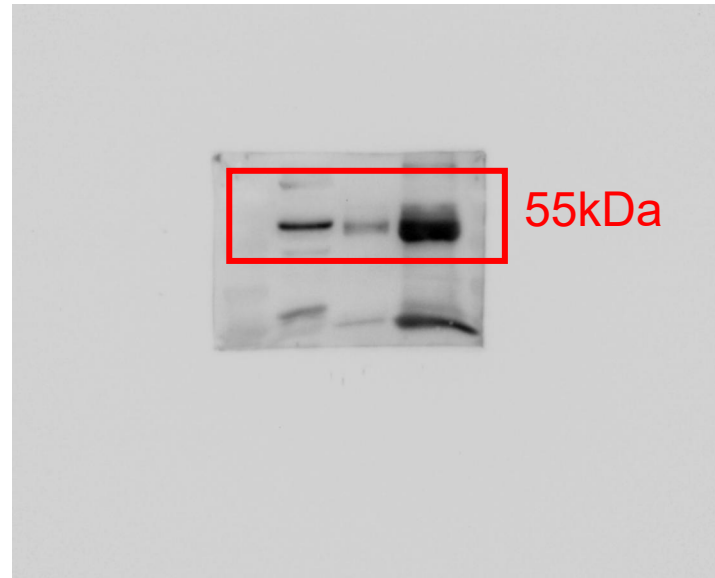
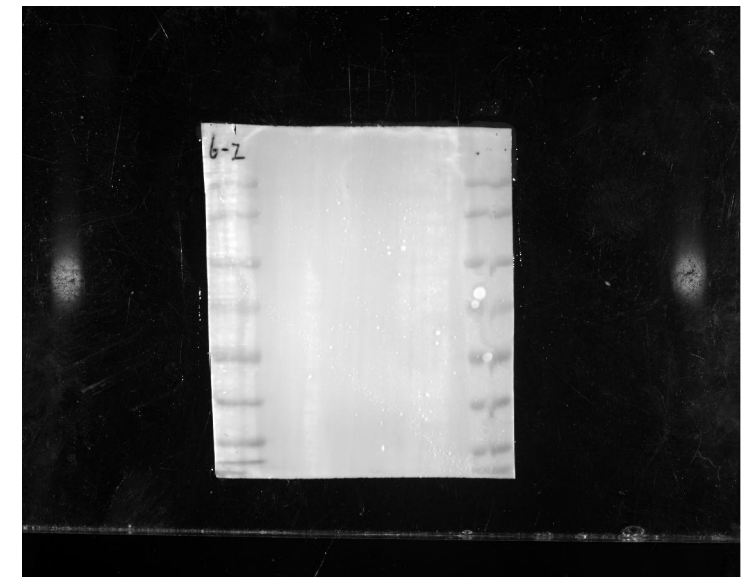


fig4

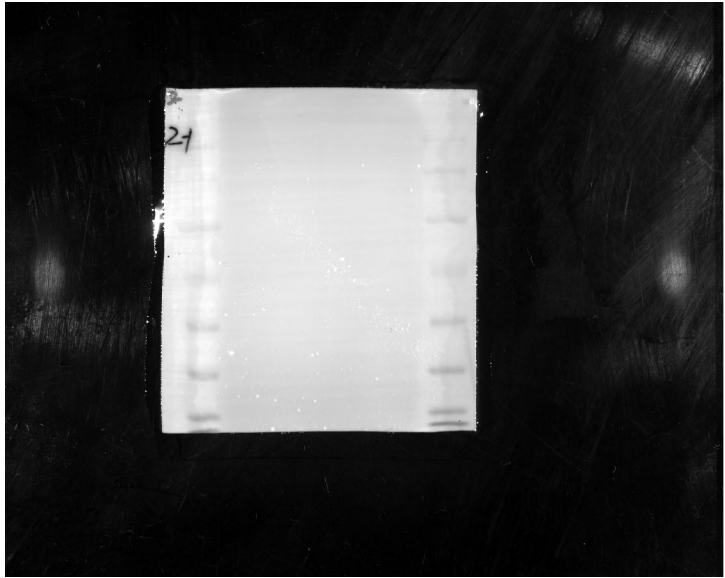
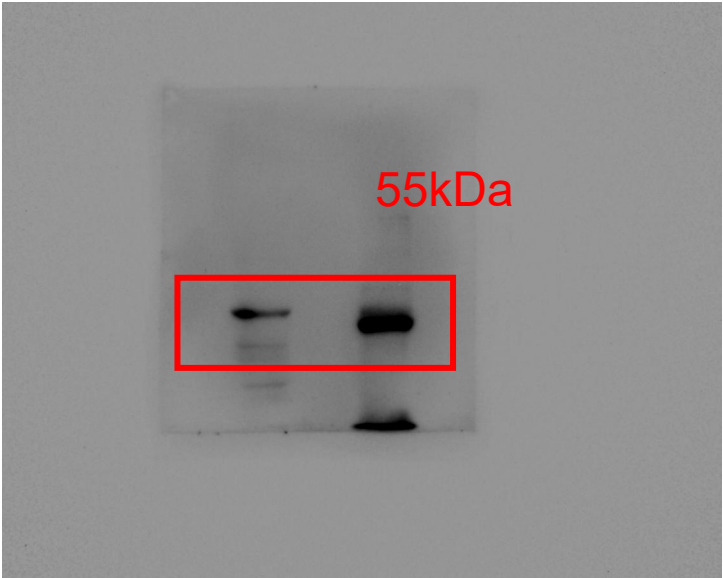
A549 PTEN



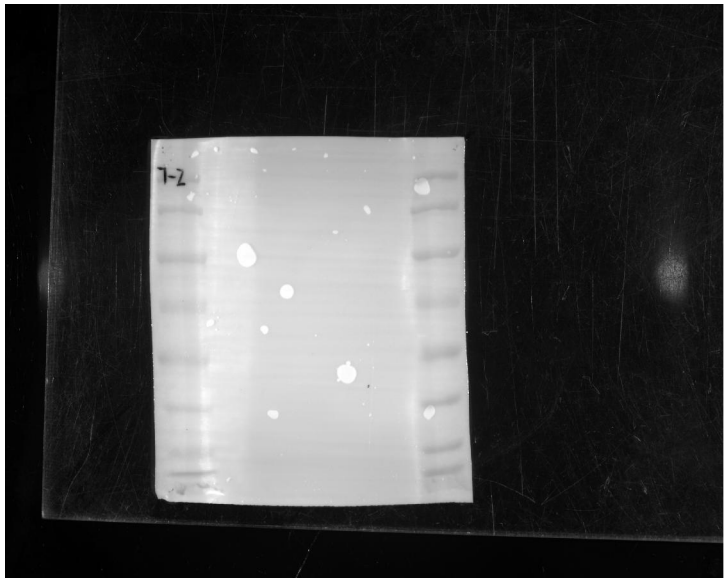
A549 ZC3H15



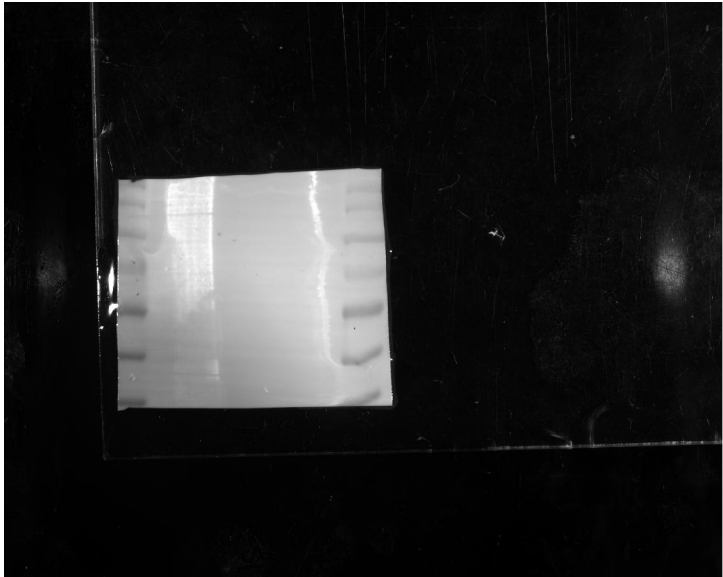
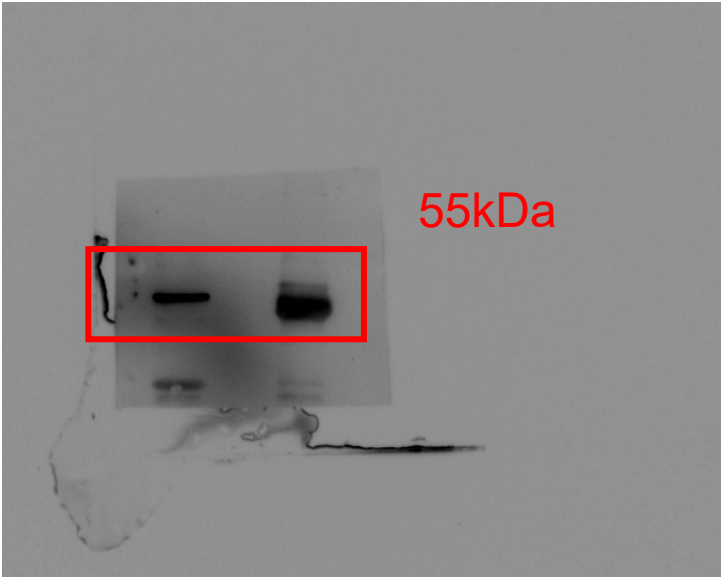
H1299 PTEN IP



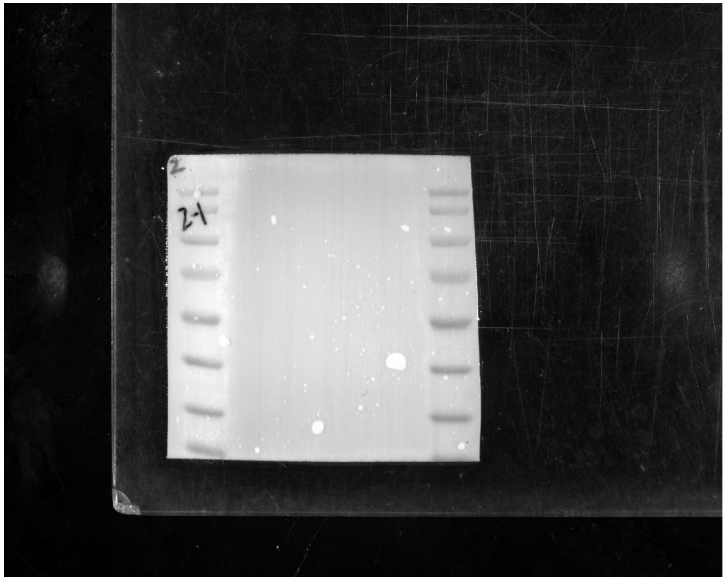
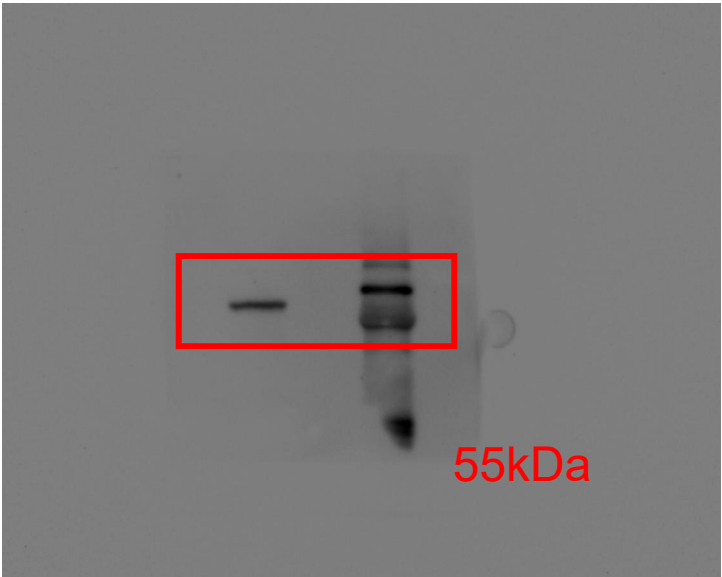
H1299 ZC3H15
IB



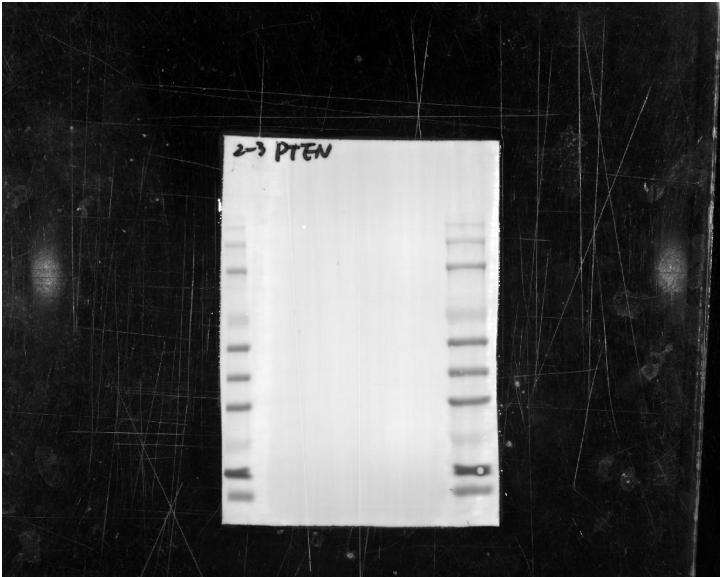
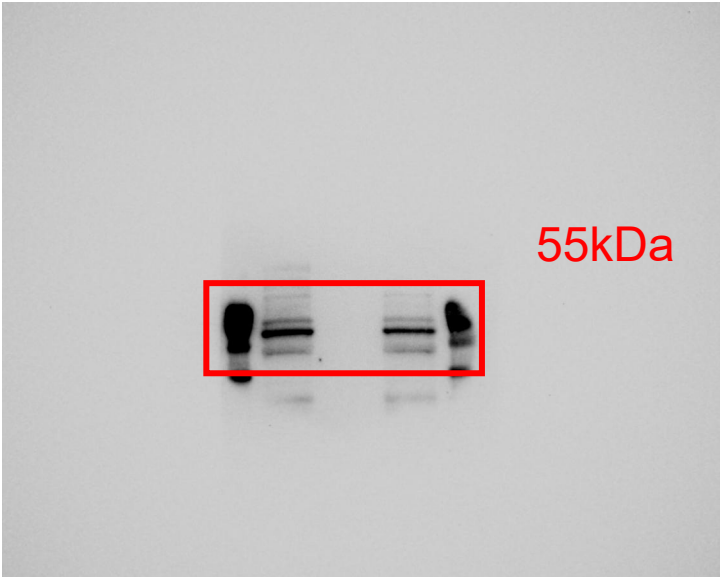
A549 PTEN IB



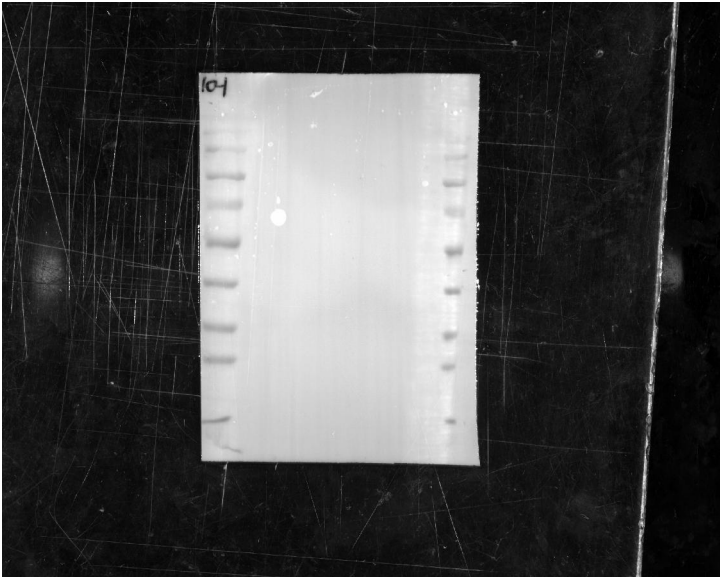
A549 ZC3H15
IP



H1299 PTEN IB

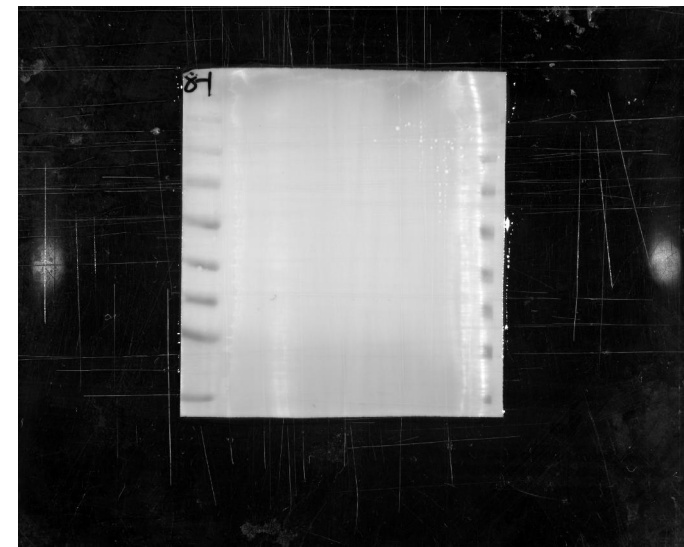
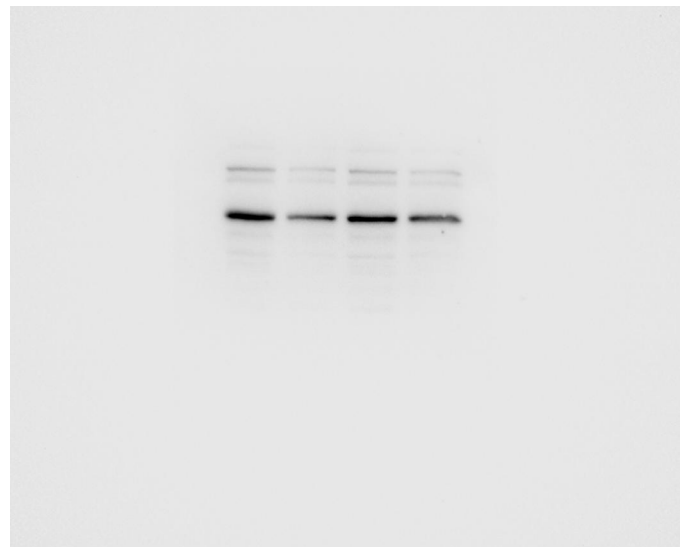


H1299 ZC3H15
IP

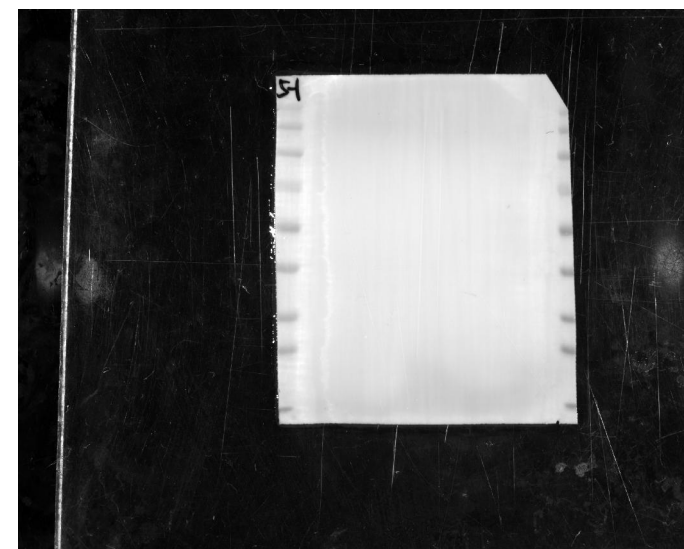
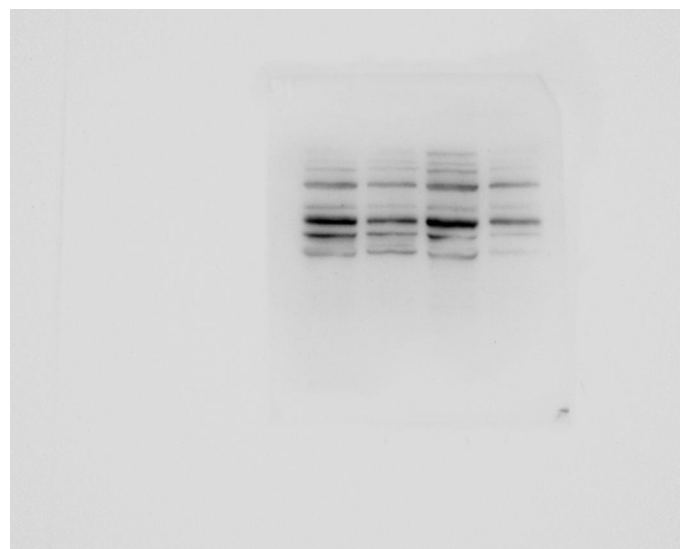


S-fig5

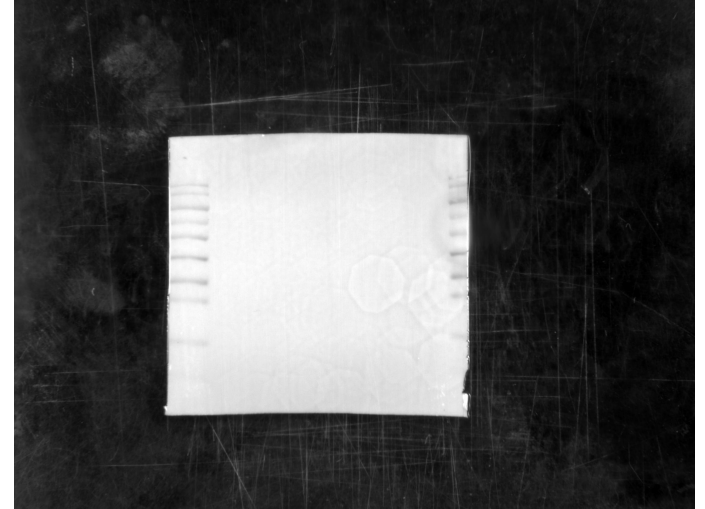
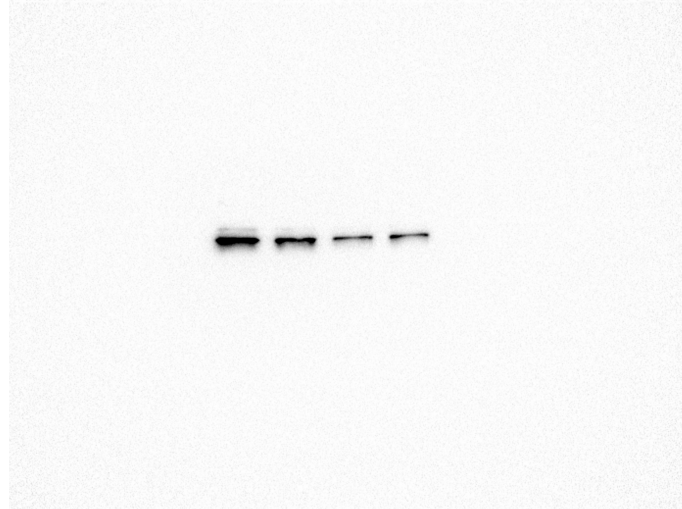
A549 ZC3H15



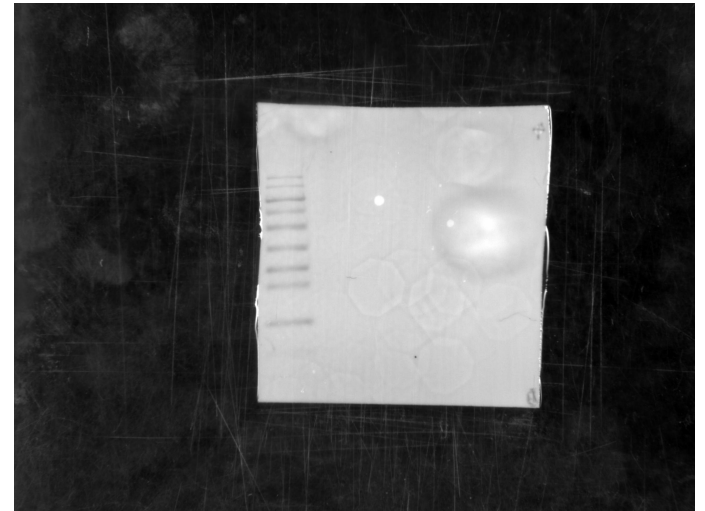
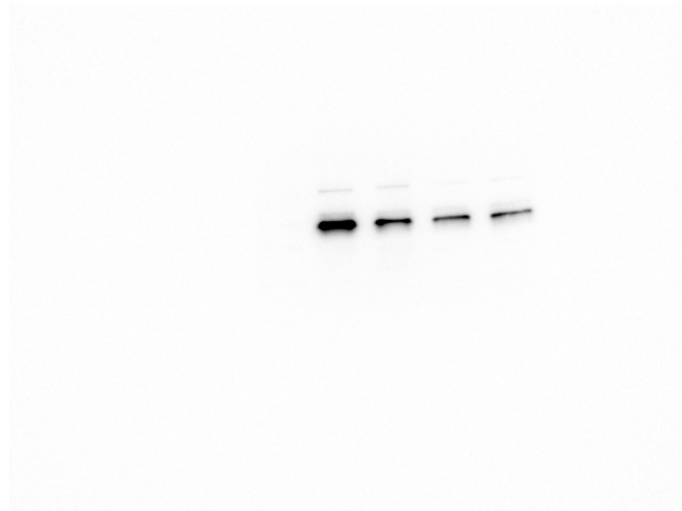
H1299 ZC3H15



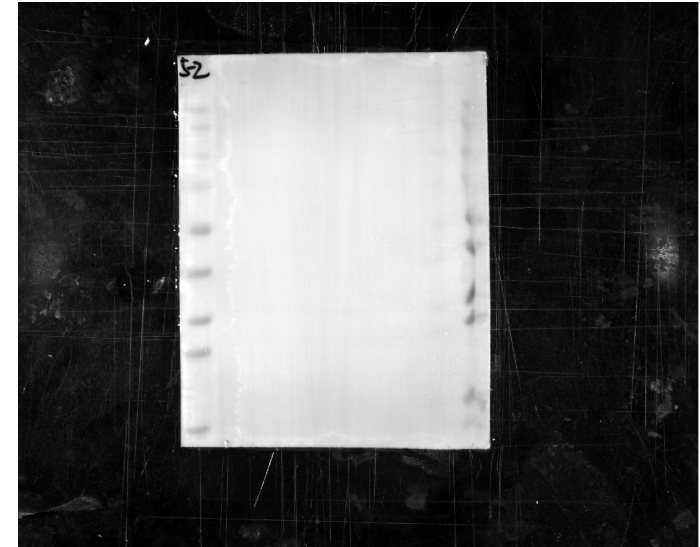
A549 p-akt



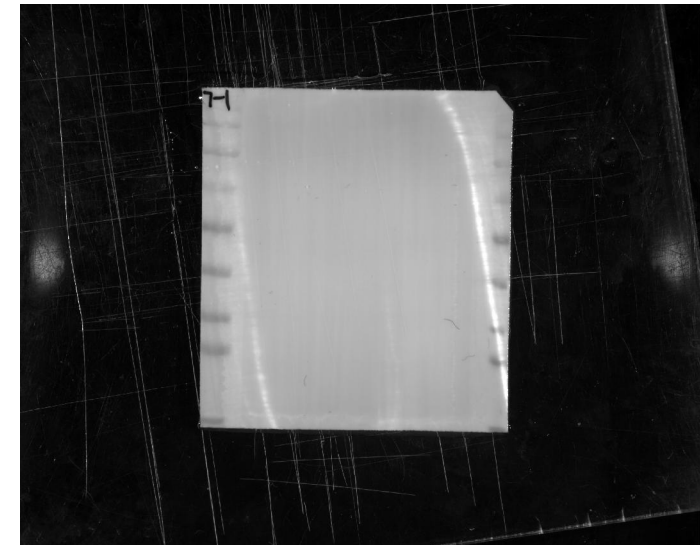
H1299 p-akt



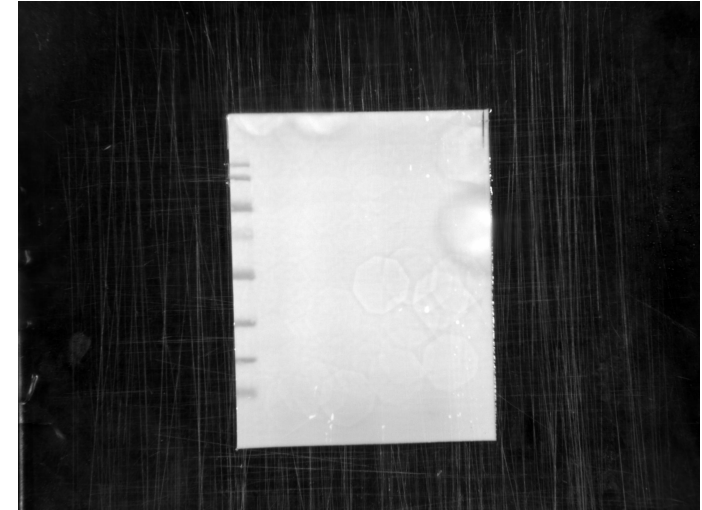
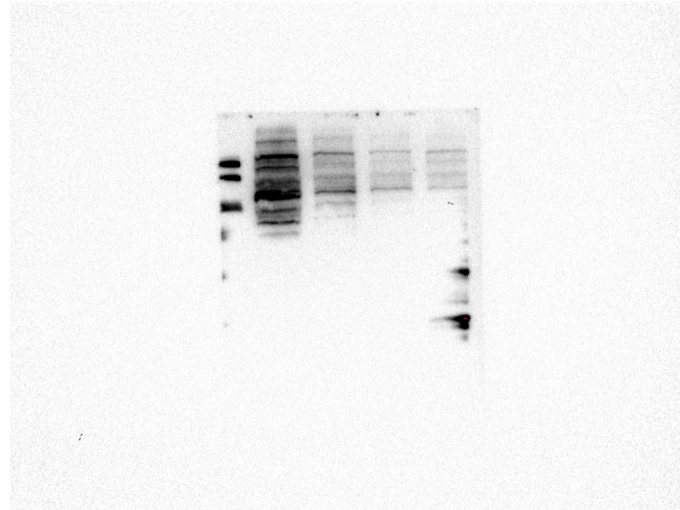
A549 akt



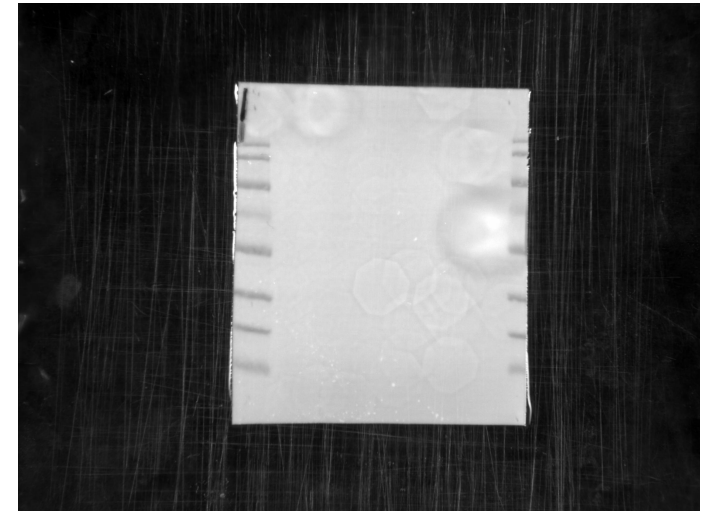
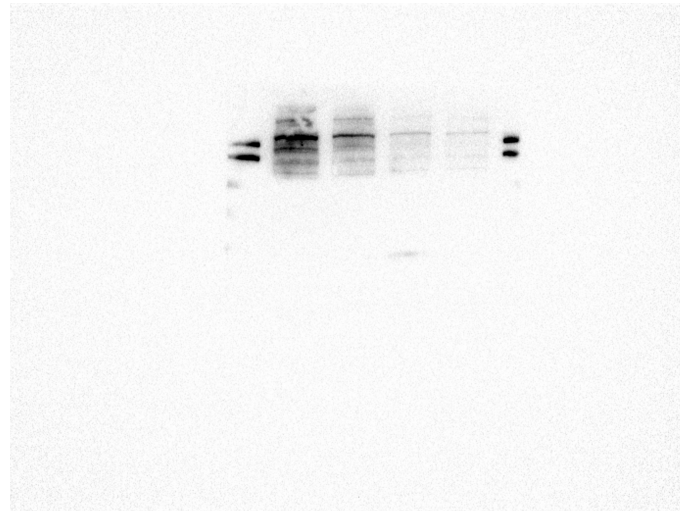
H1299 akt



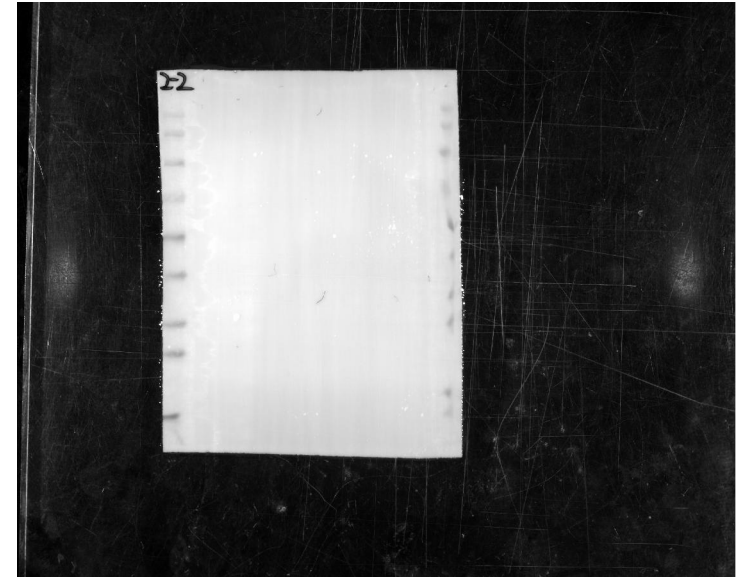
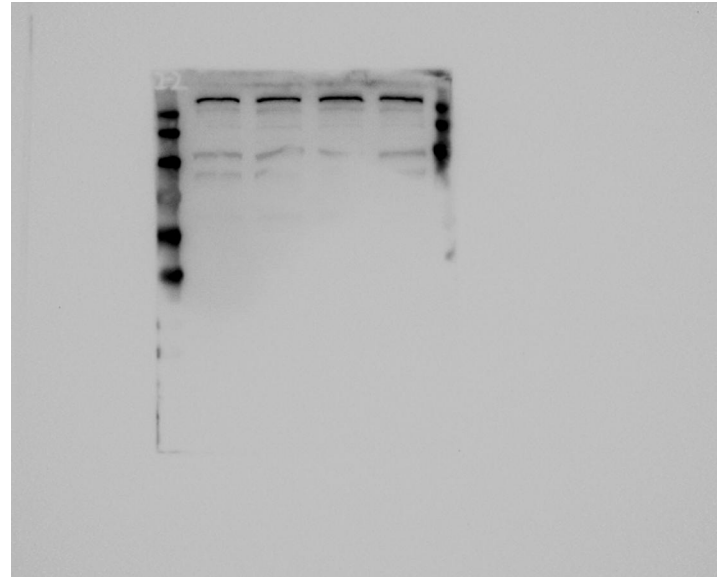
A549 p-mtor



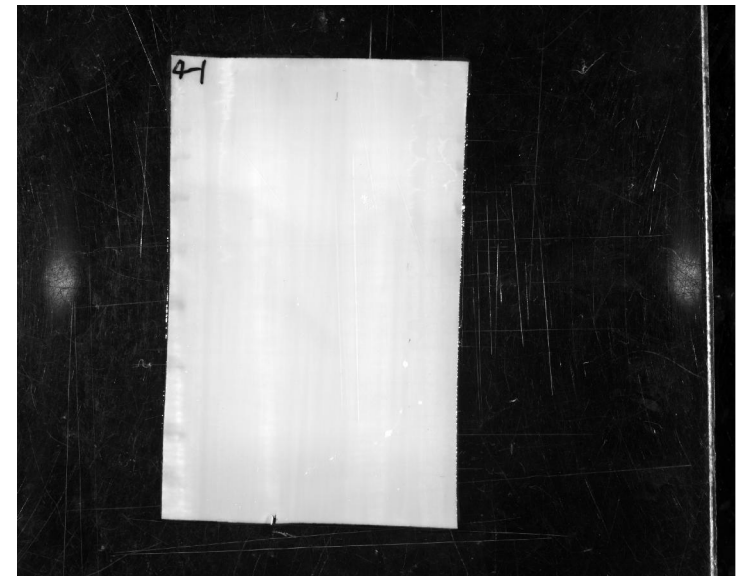
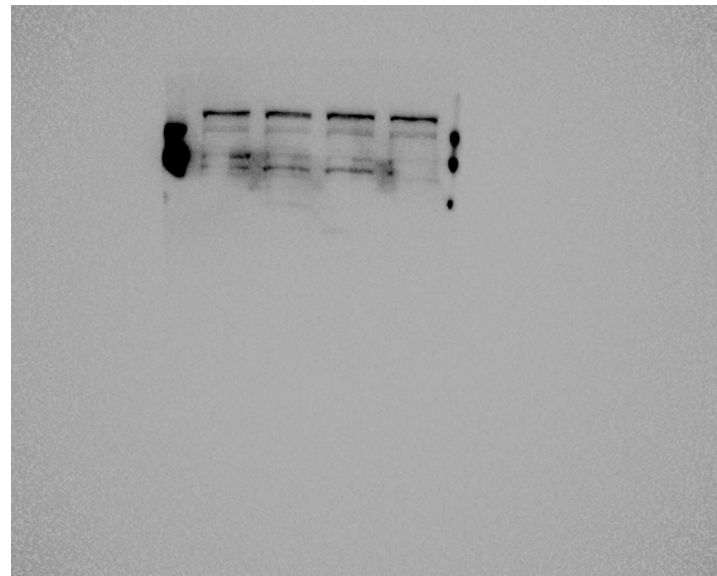
H1299 p-mtor



A549 mtor



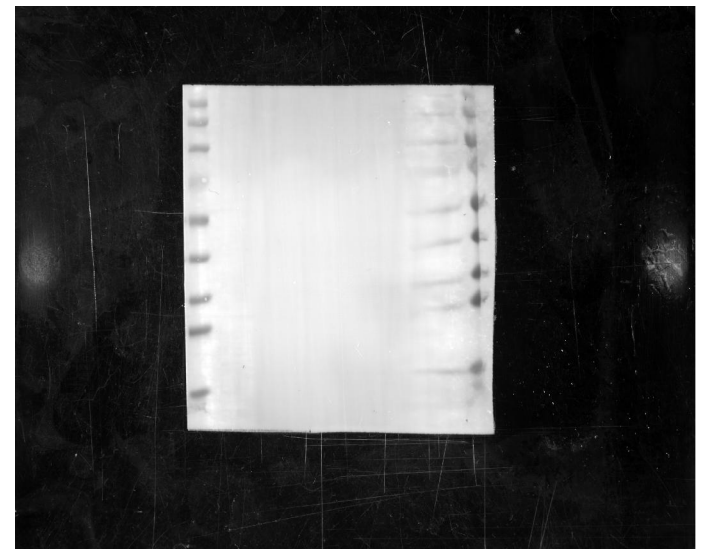
H1299 mtor



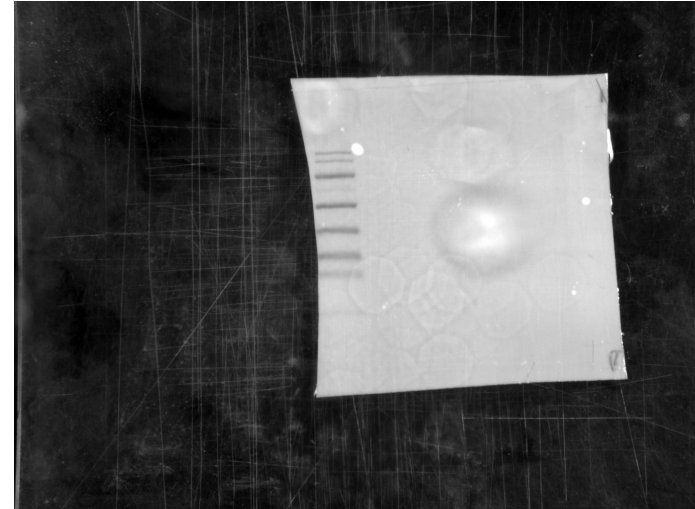
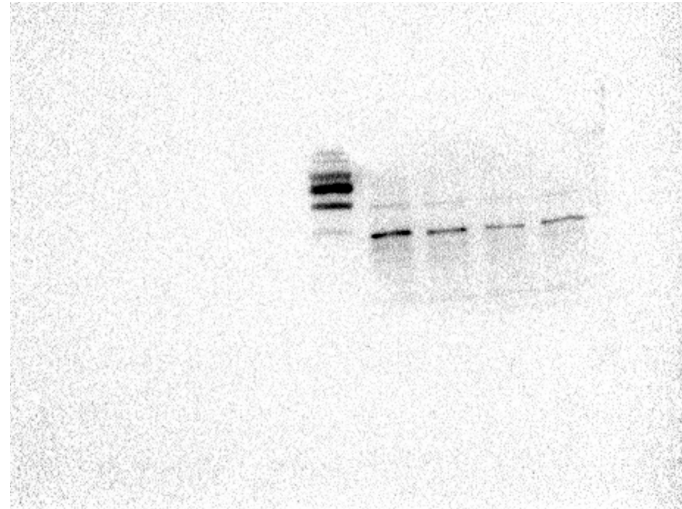
A549 β -actin



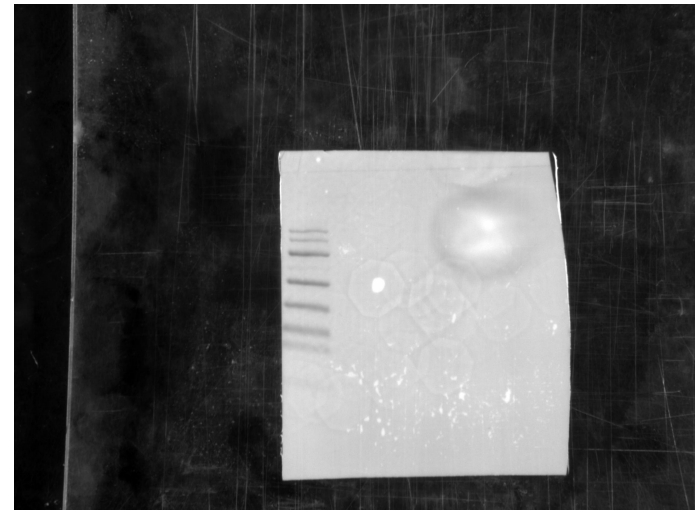
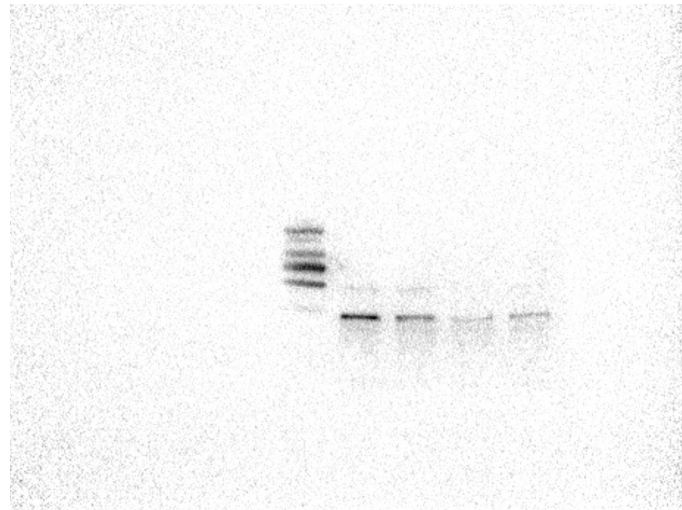
H1299 β -actin



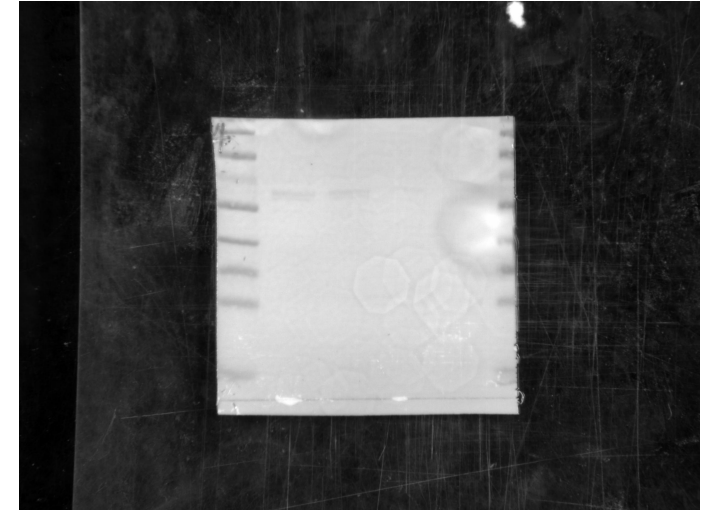
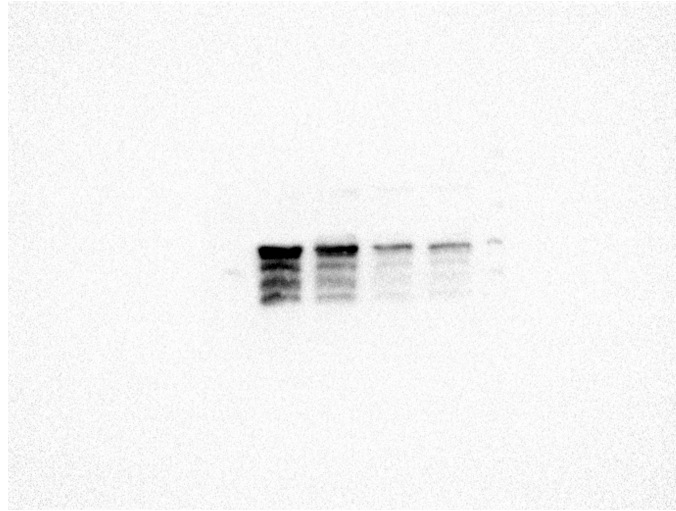
A549 CDK4



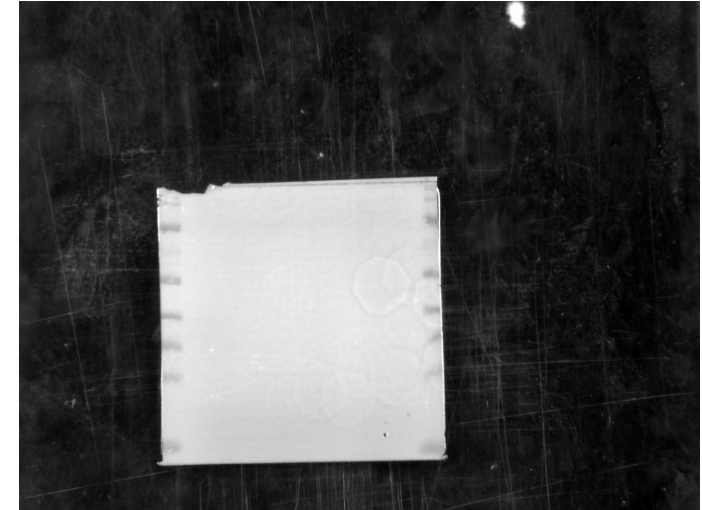
H1299 CDK4



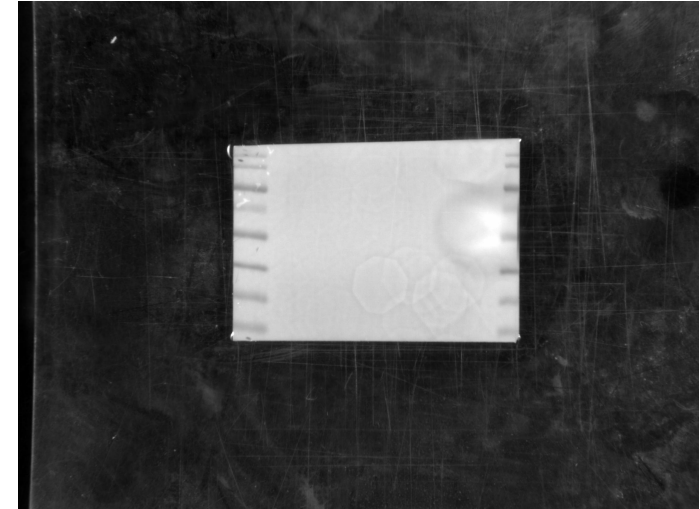
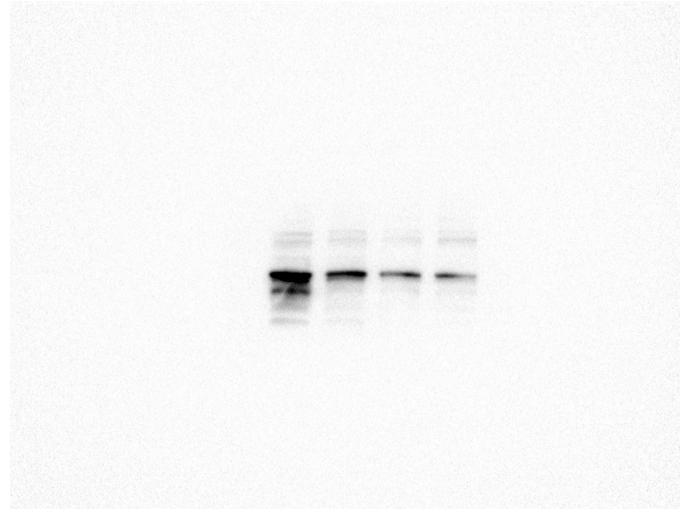
A549 CDK6



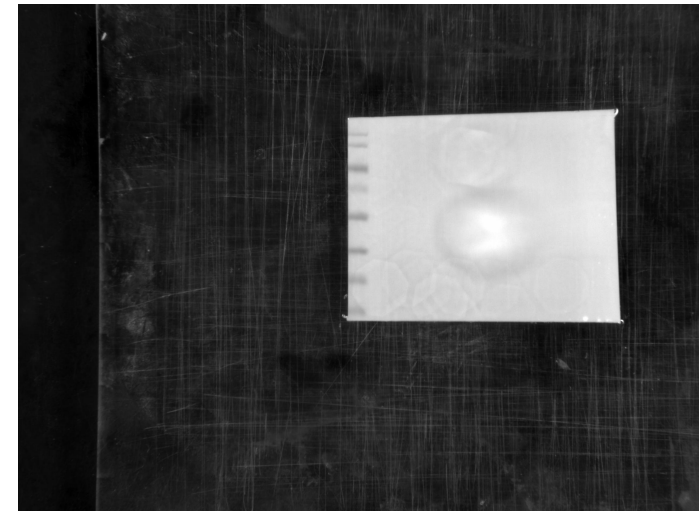
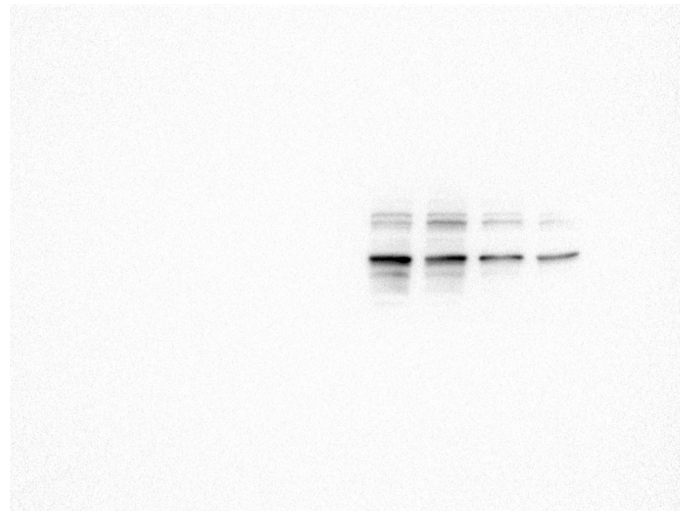
H1299 CDK6



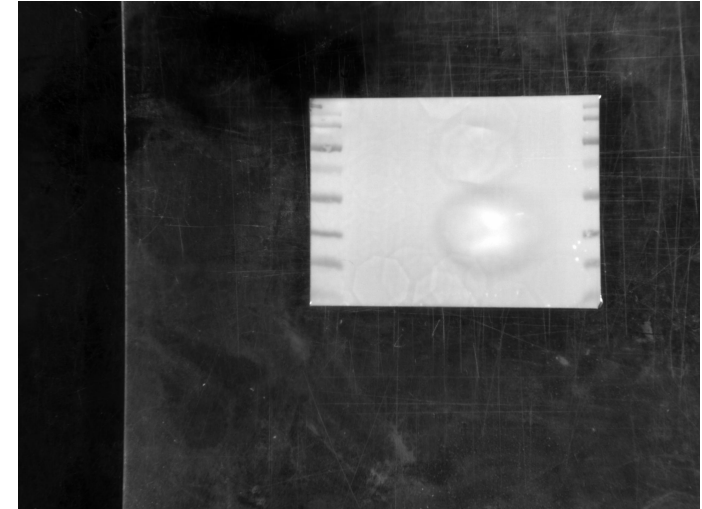
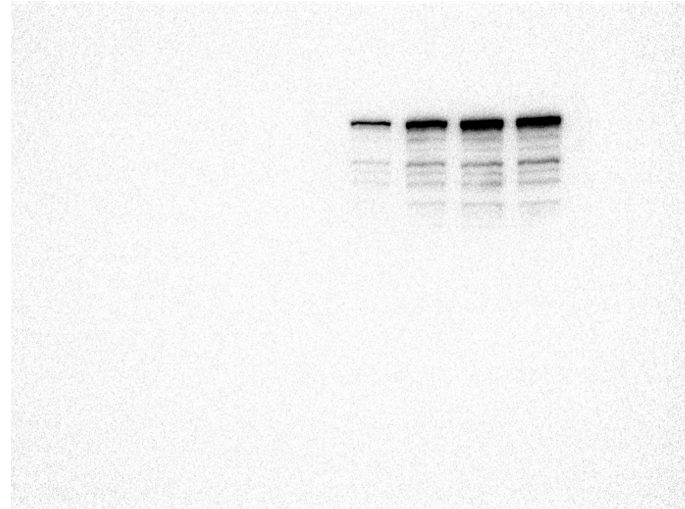
A549 D1



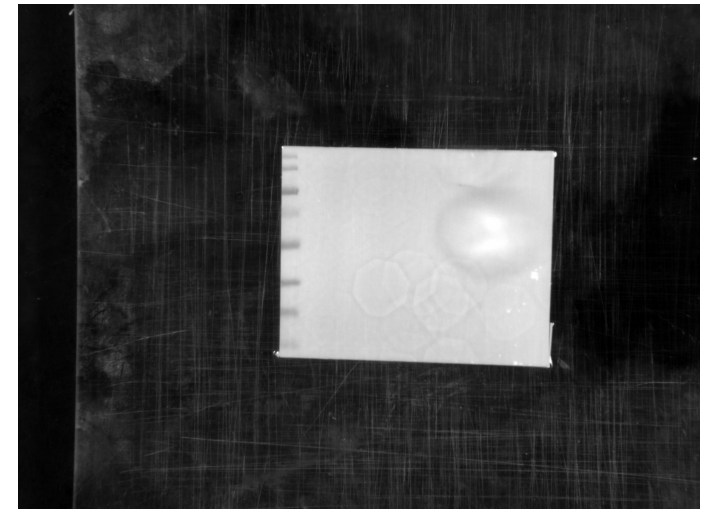
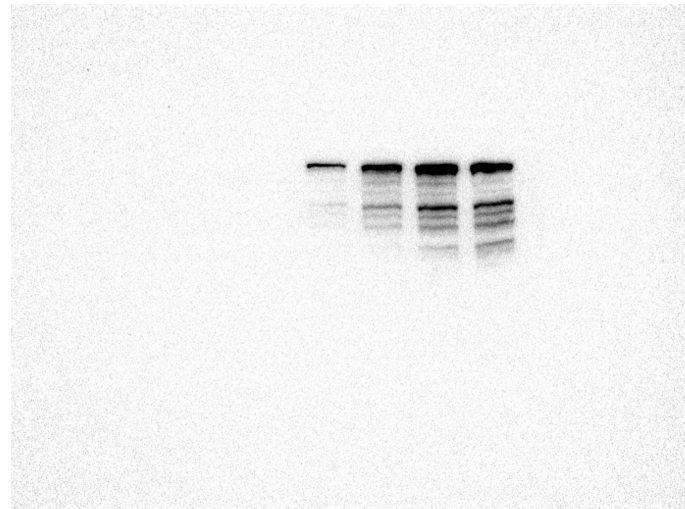
H1299 D1



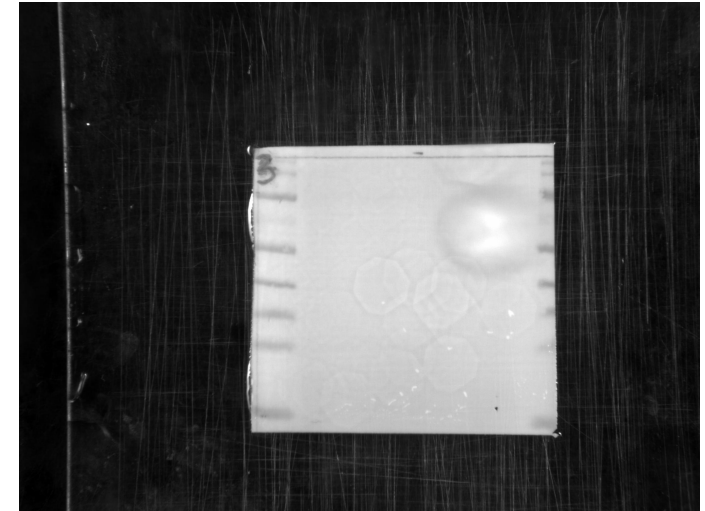
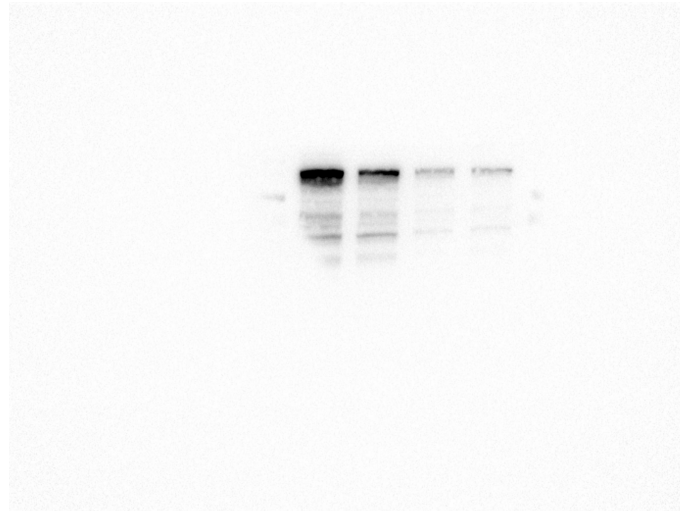
A549 E-CA



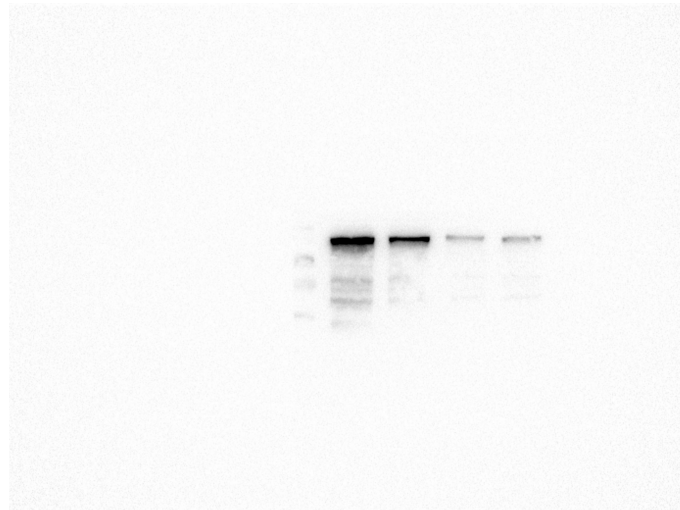
H1299 E-CA



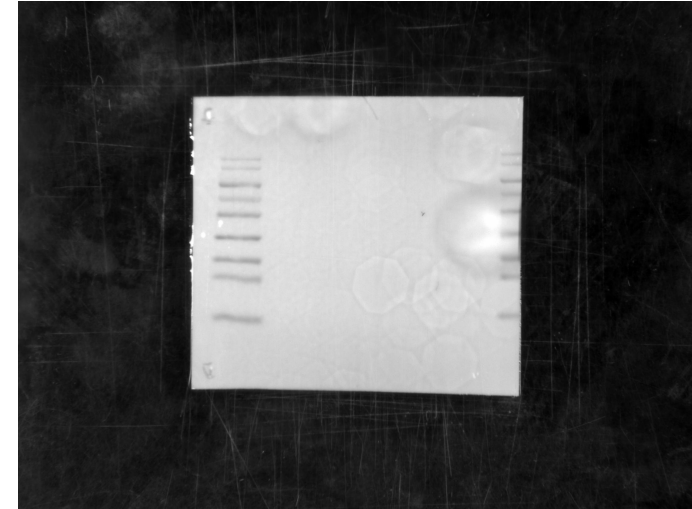
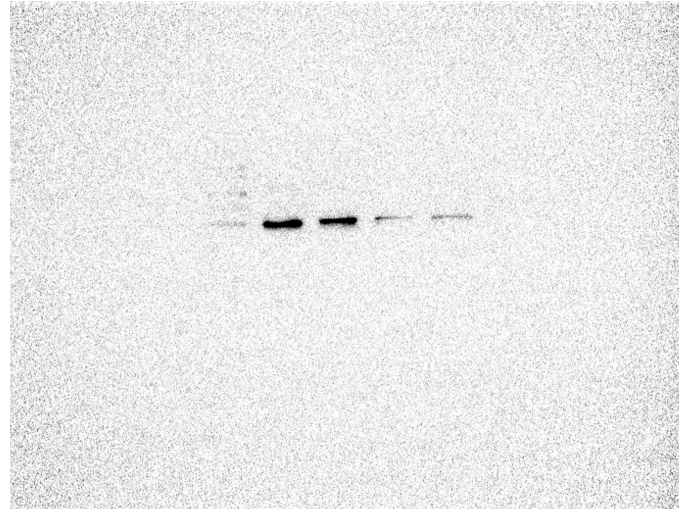
A549 N-CA



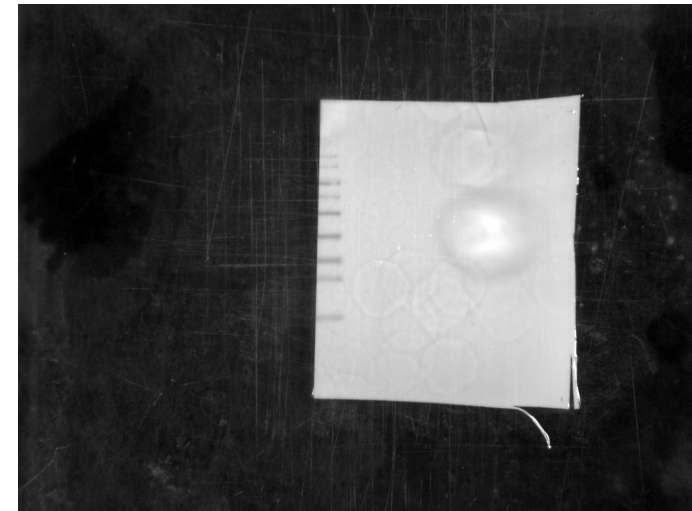
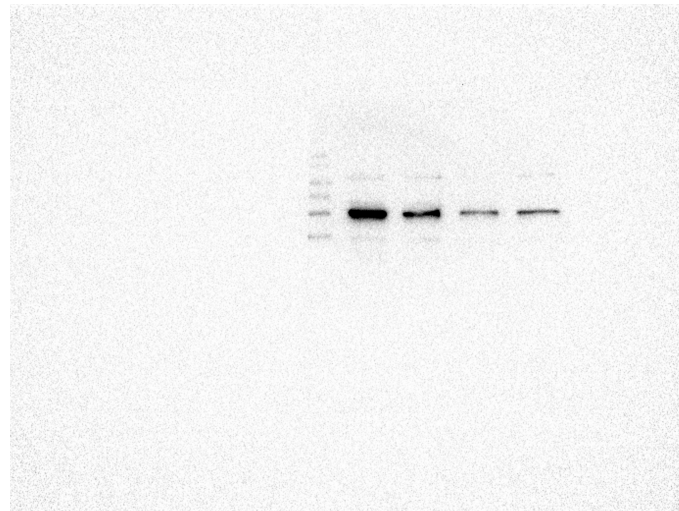
H1299 N-CA



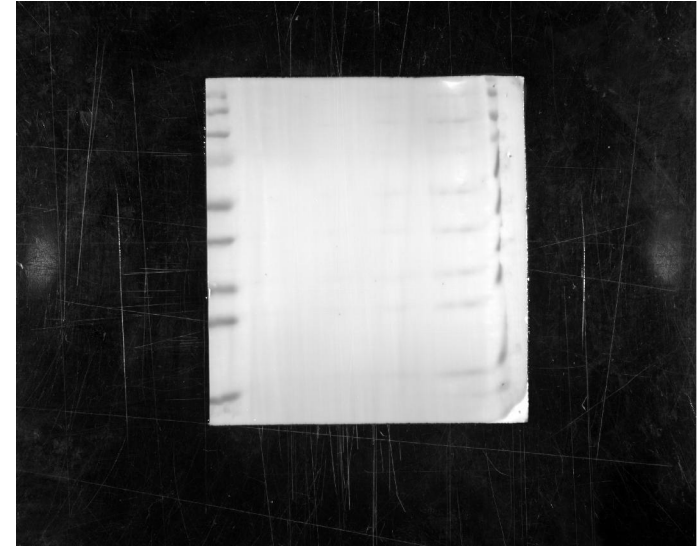
A549 MMP9



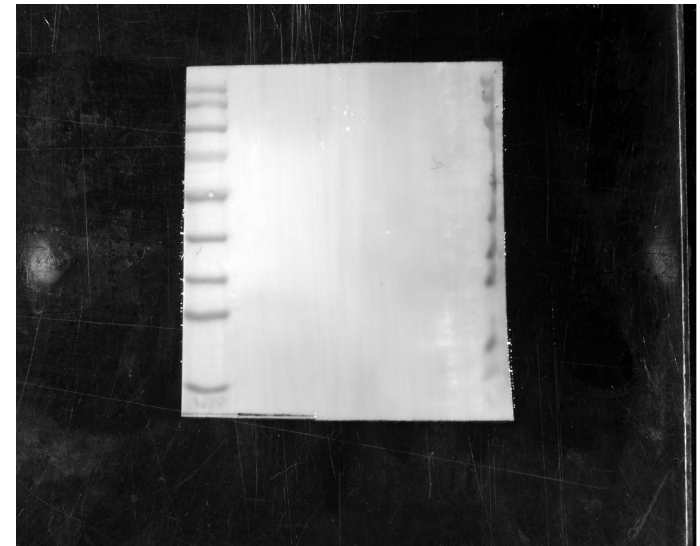
H1299 MMP9



A549 β -actin

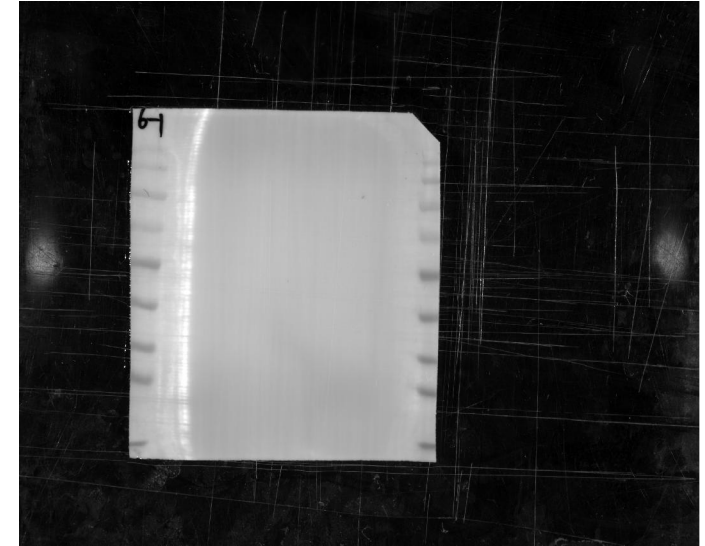
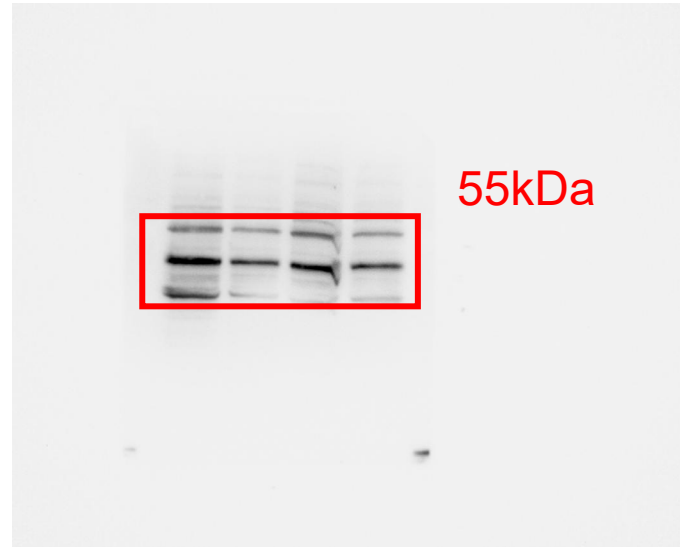


H1299 β -actin

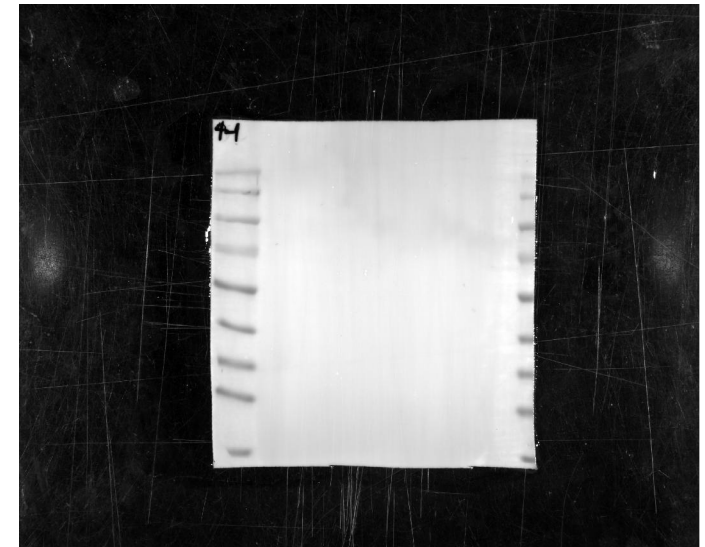


S-fig6

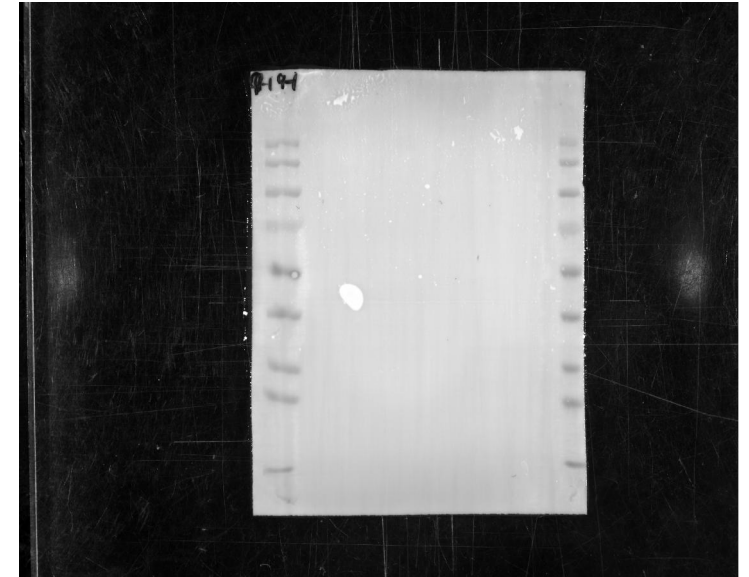
A549 ZC3H15



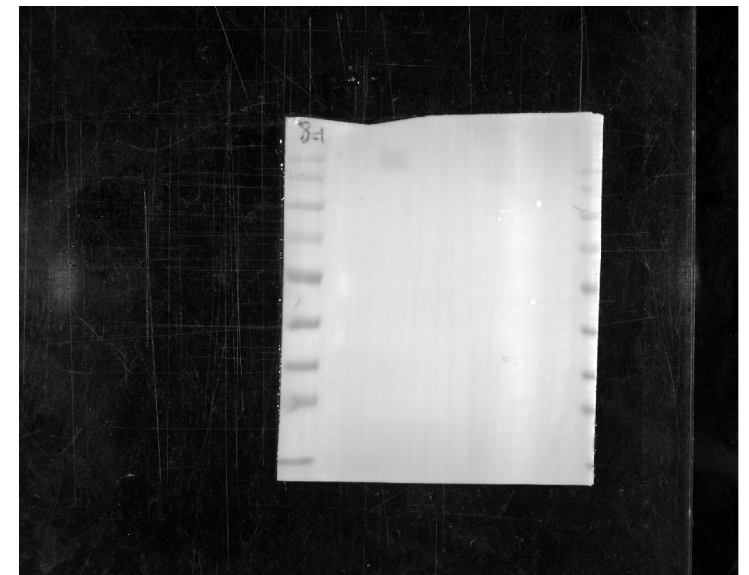
H1299 ZC3H15



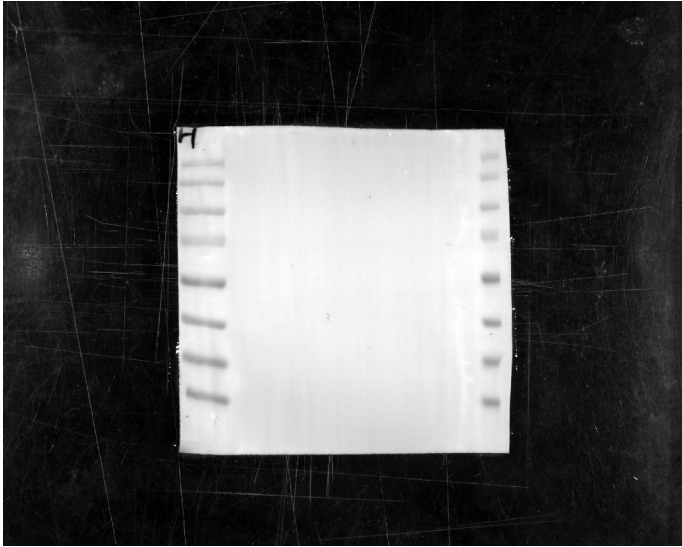
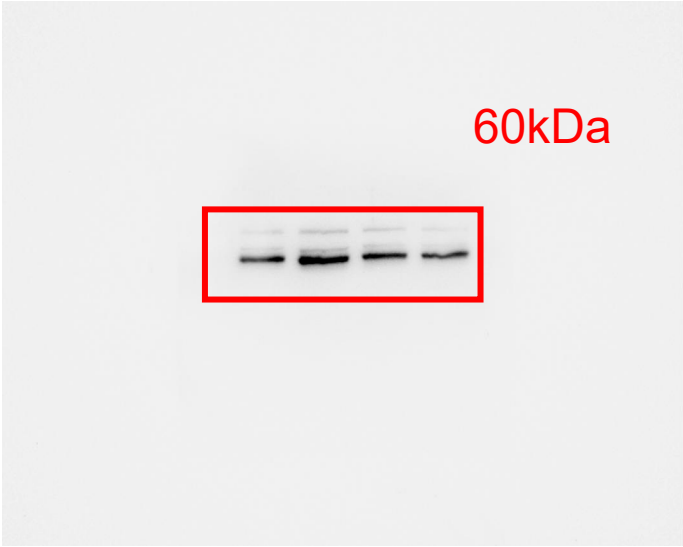
A549 pten



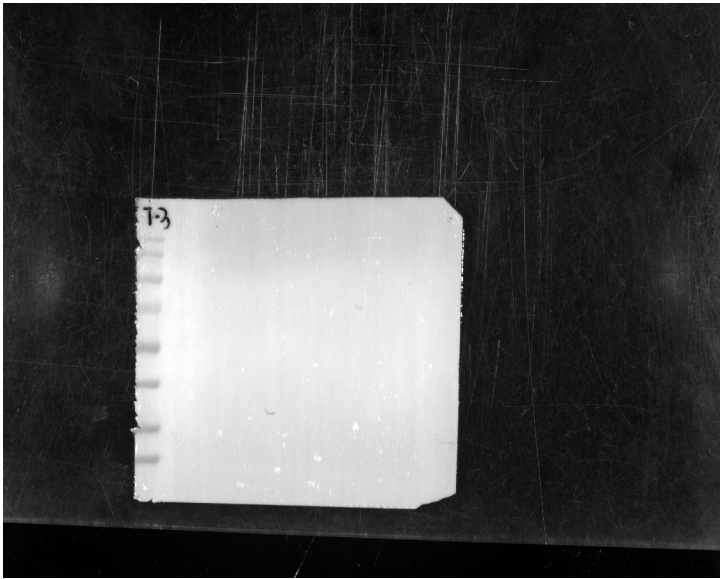
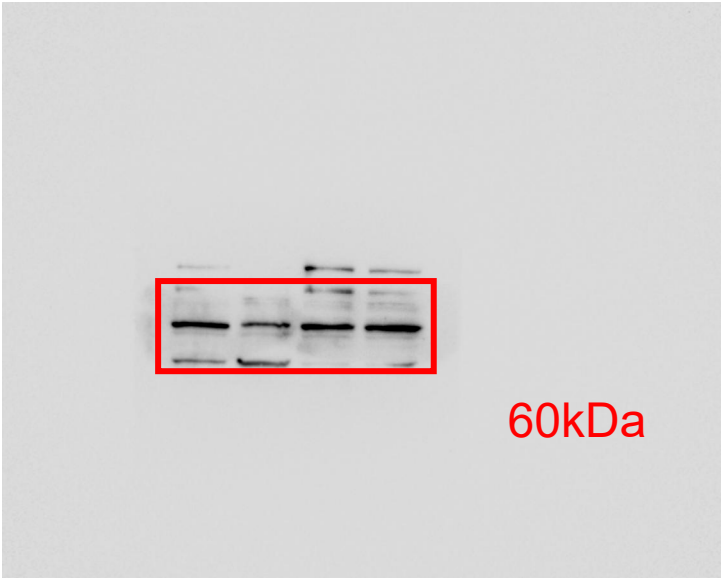
H1299 pten



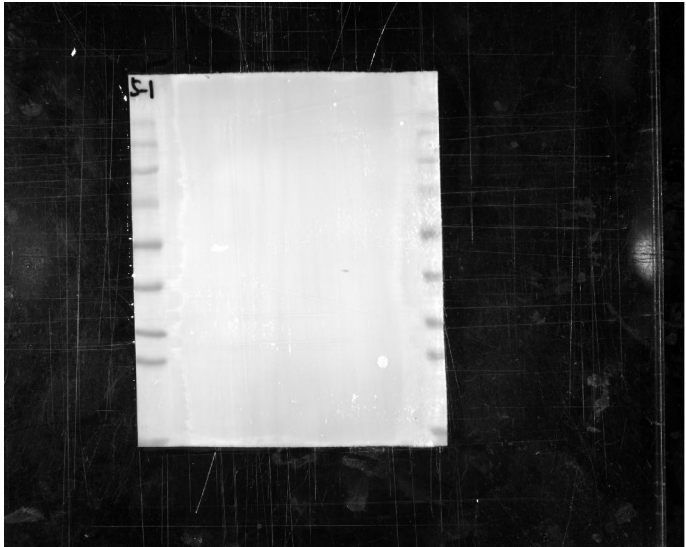
A549 P-AKT



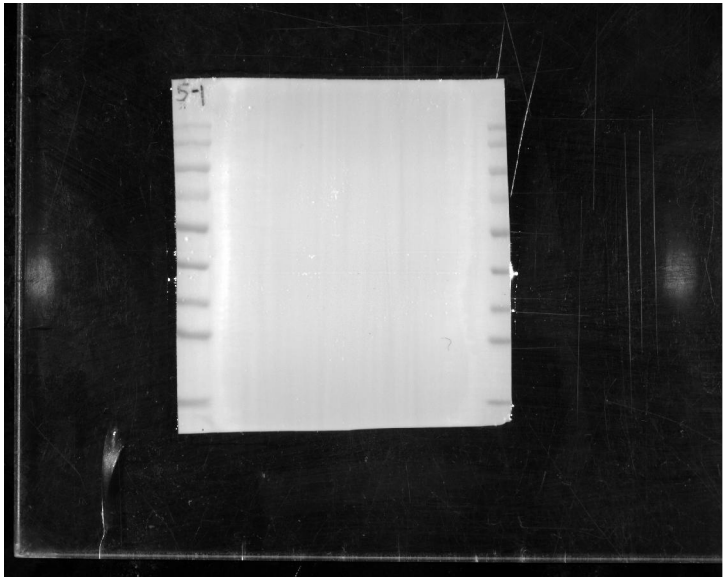
H1299 P-AKT



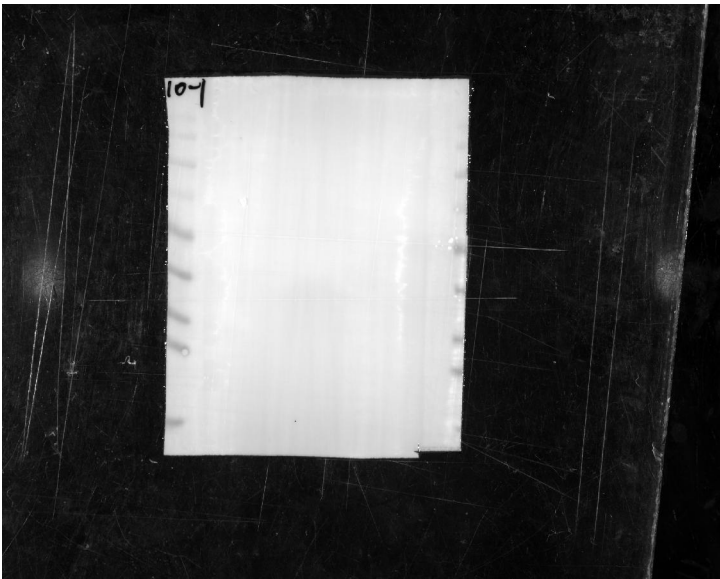
A549 AKT



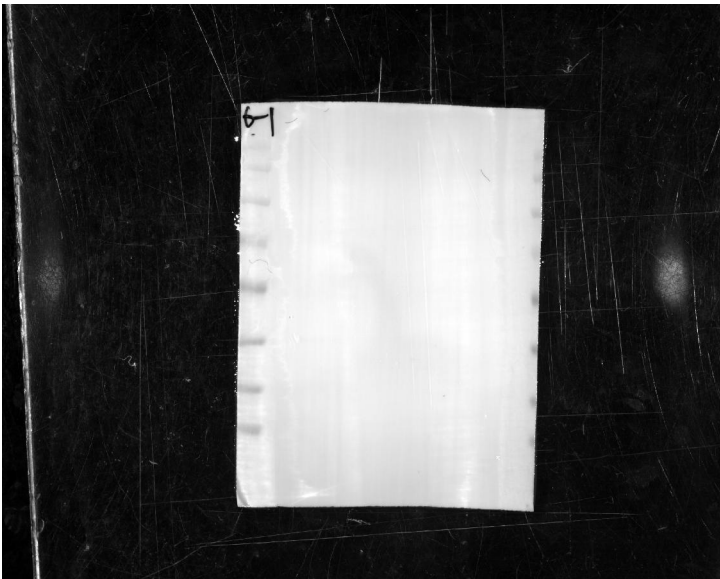
H1299 AKT



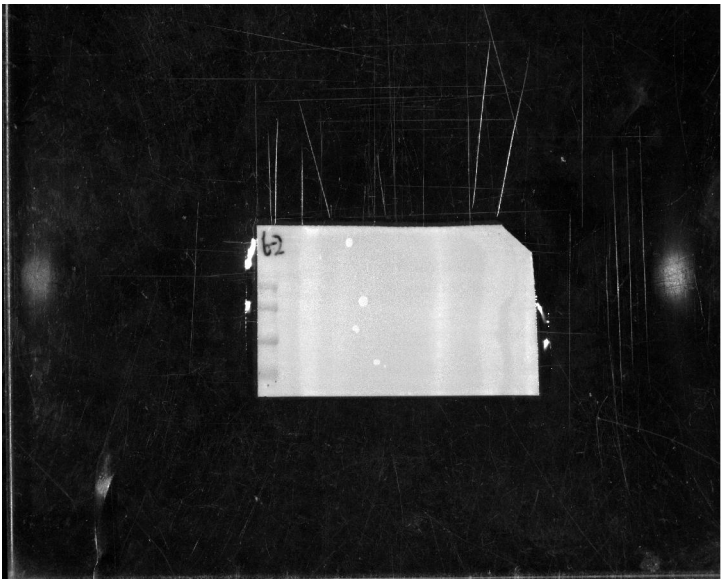
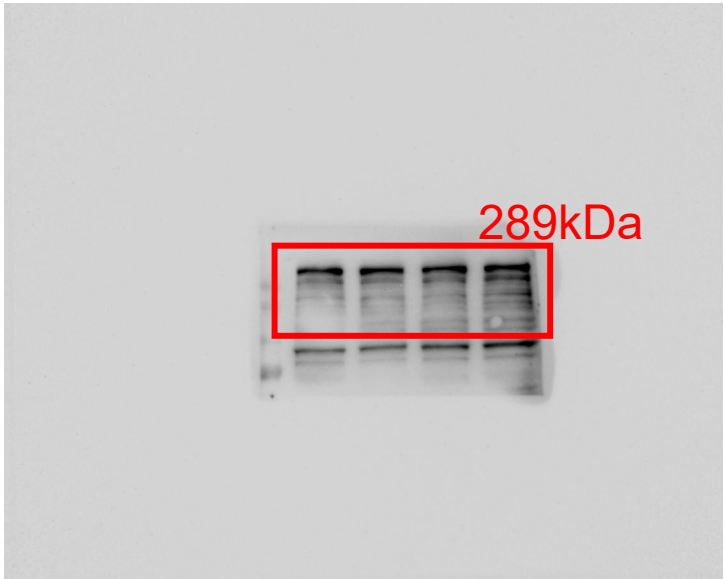
A549 P-MTOR



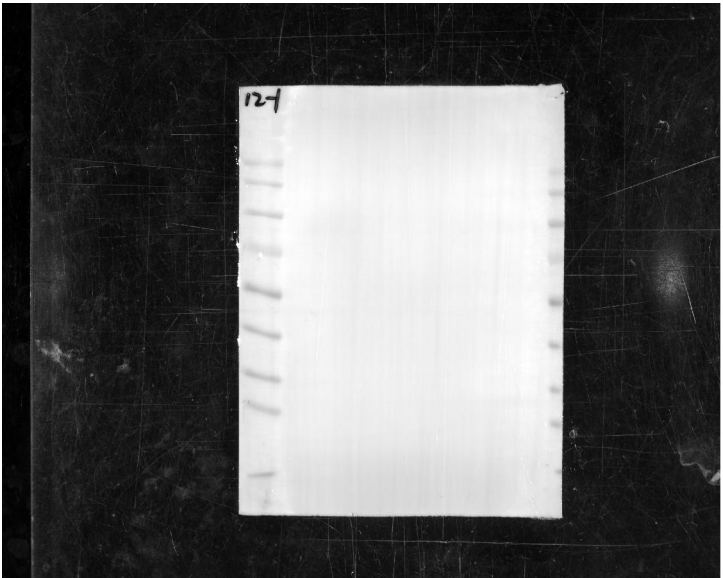
H1299 P-MTOR



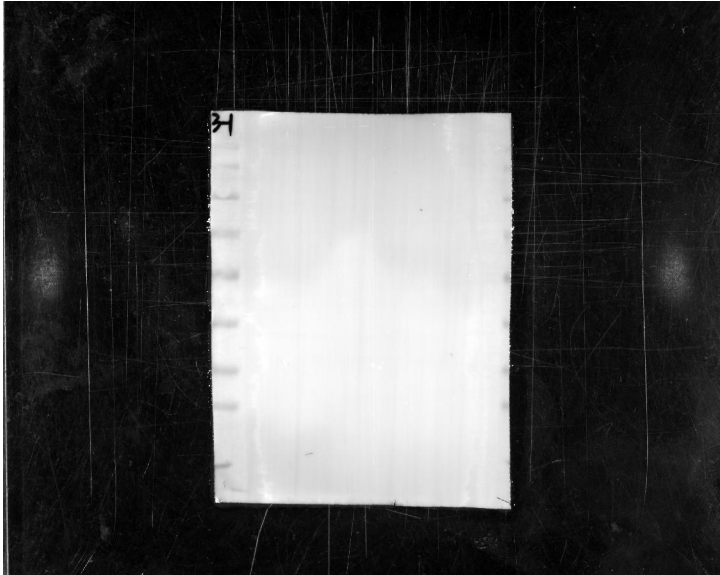
A549 MTOR



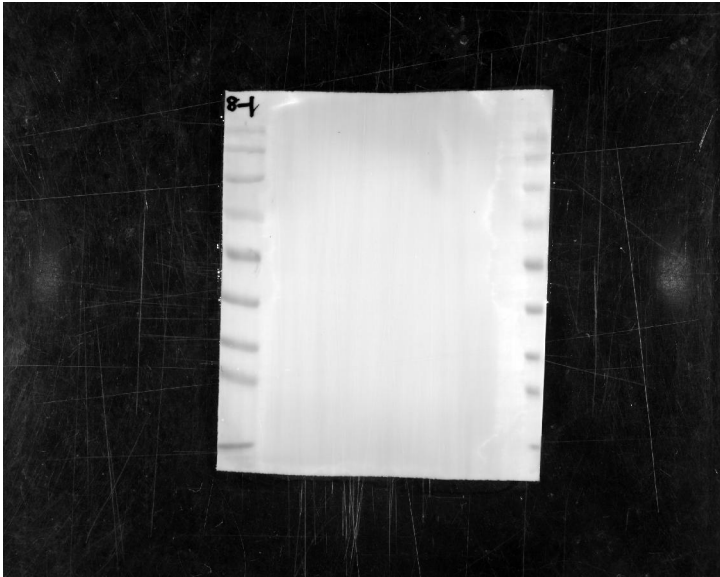
H1299 MTOR



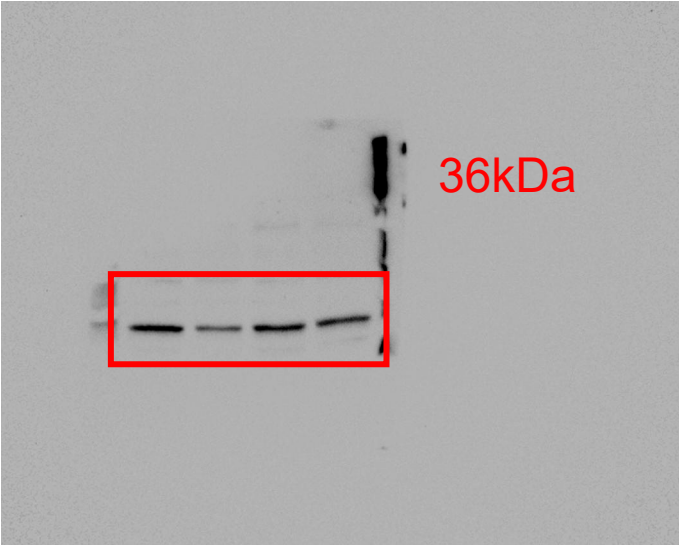
A549 CDK4



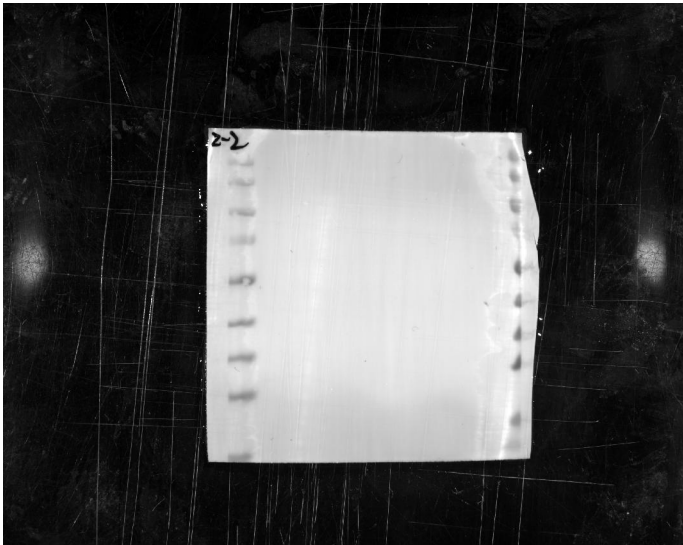
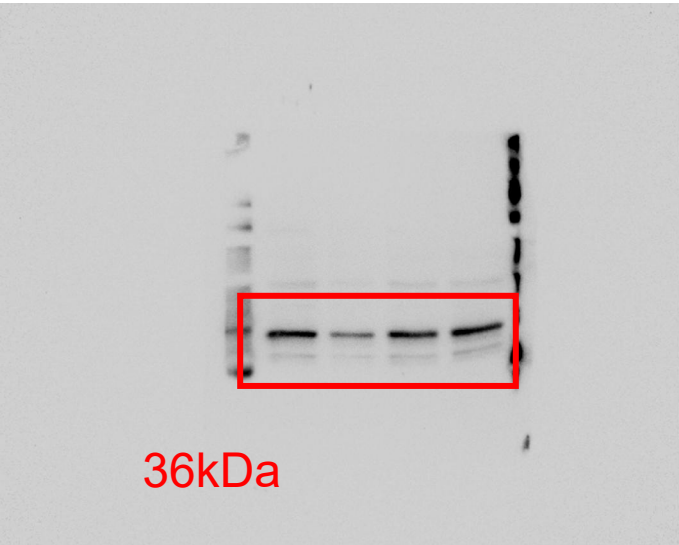
H1299 CDK4



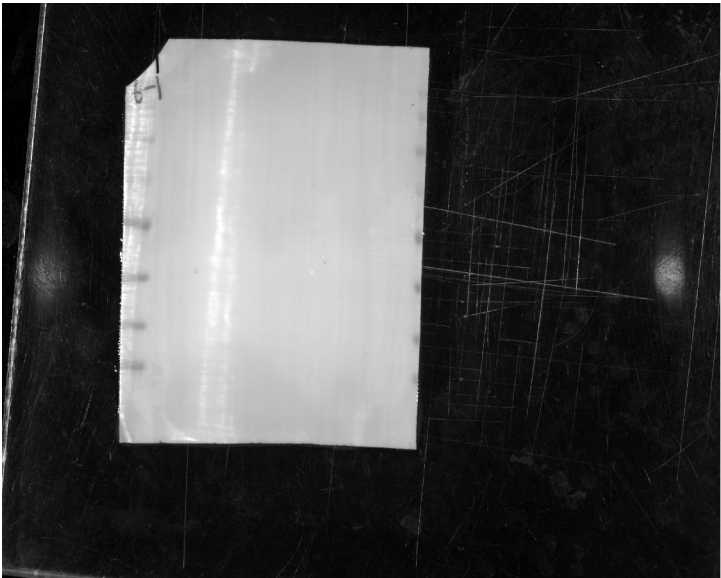
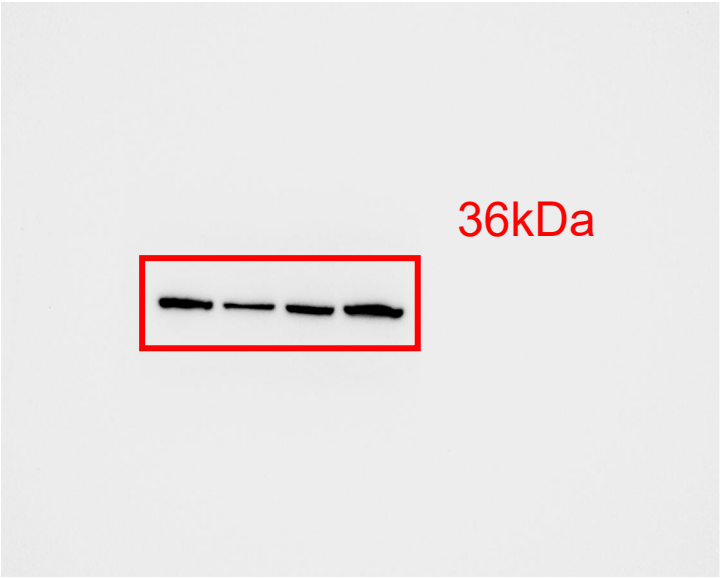
A549 CDK6



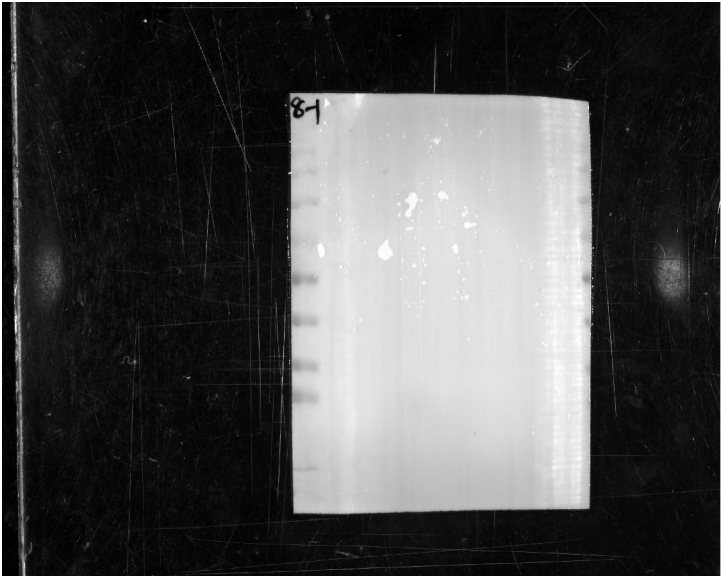
H1299 CDK6



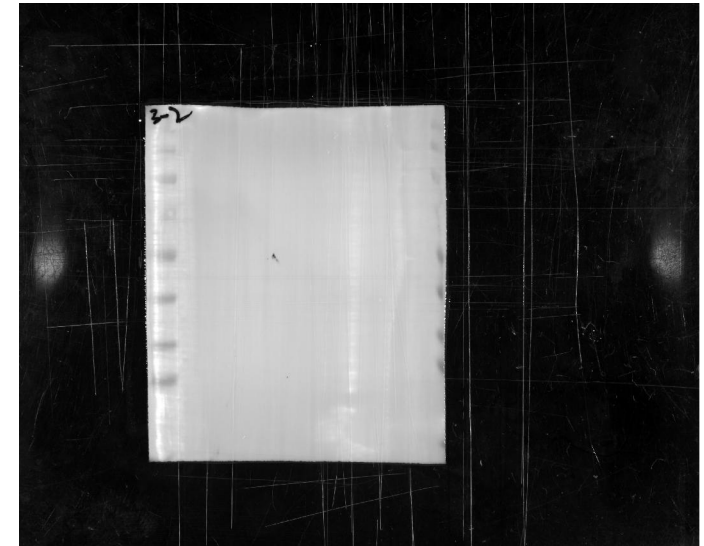
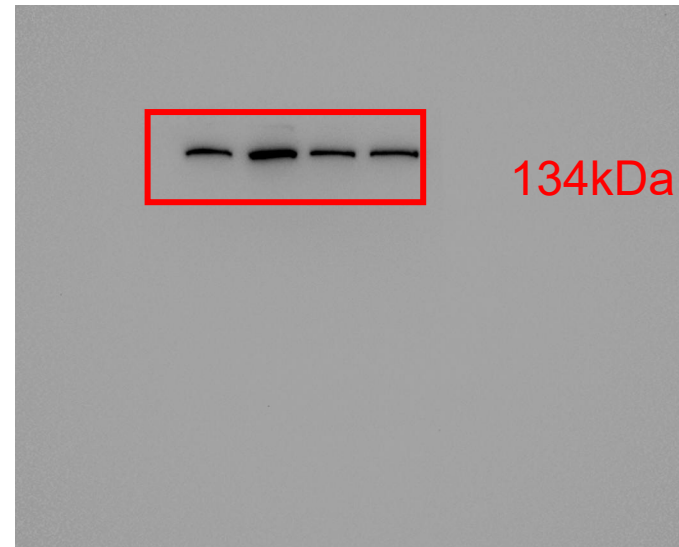
A549 D1



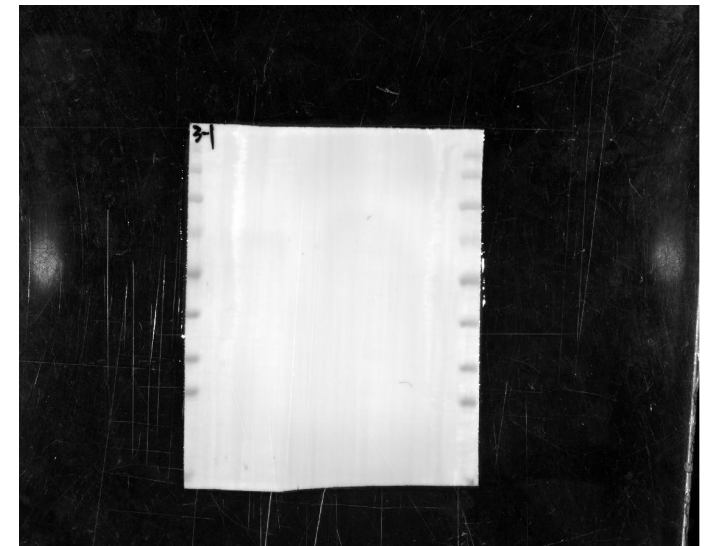
H1299 D1



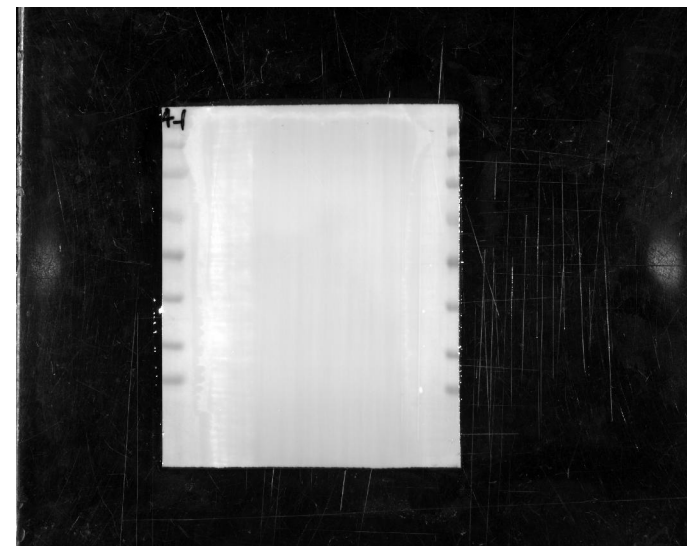
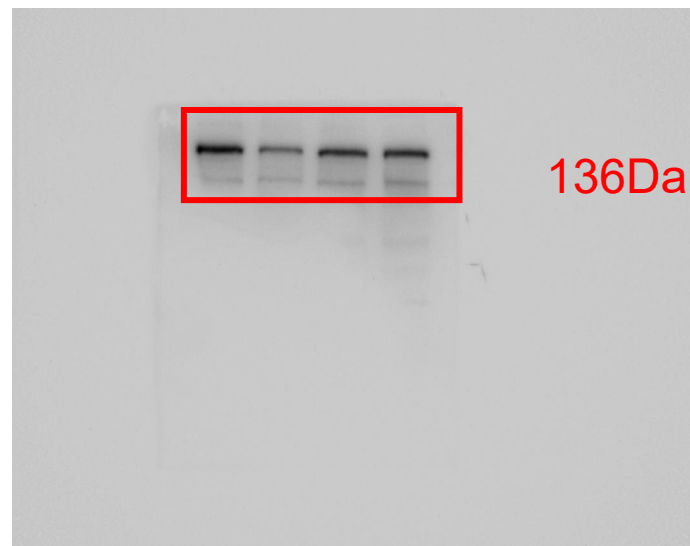
A549 E-CA



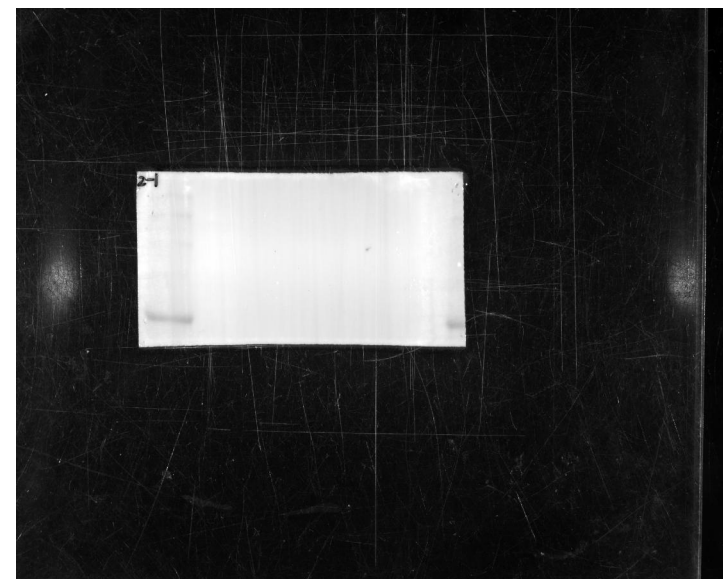
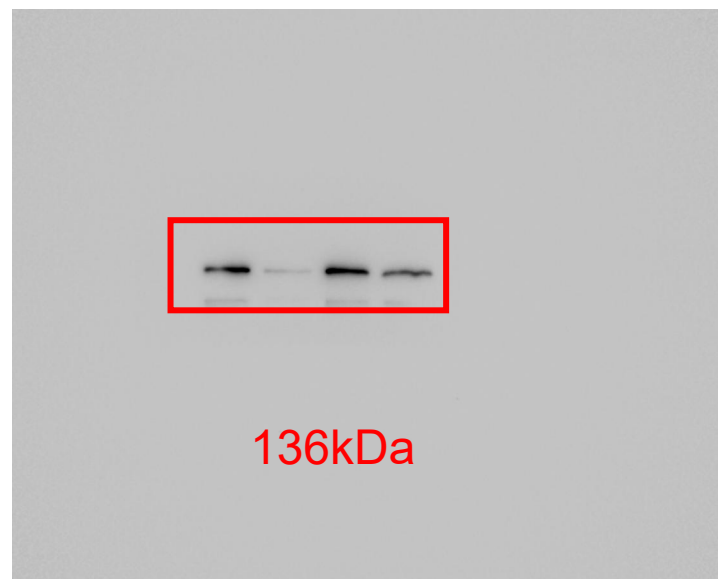
H1299 E-CA



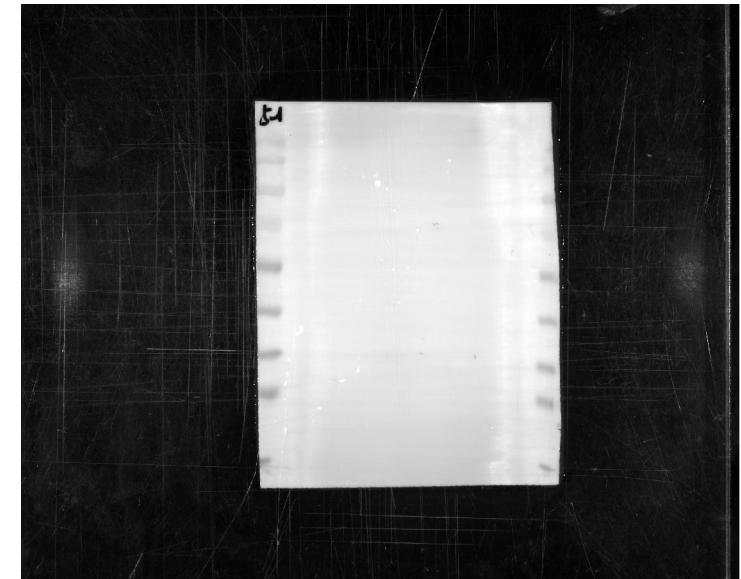
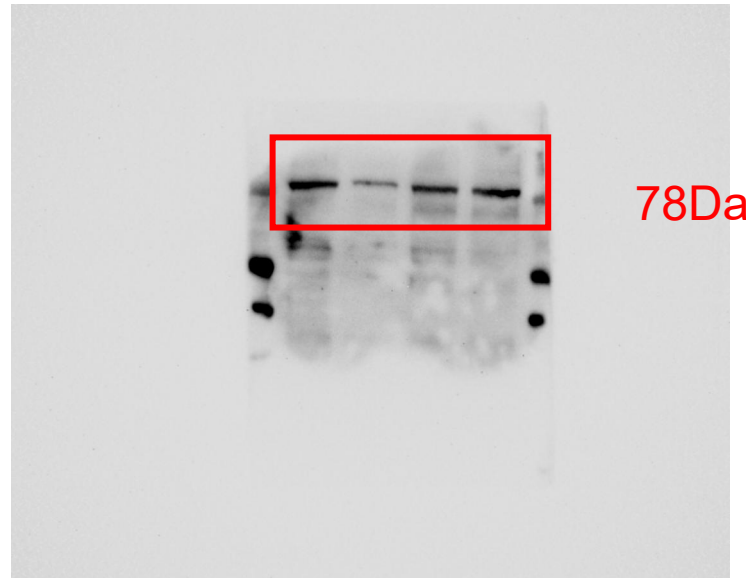
A549 N-CA



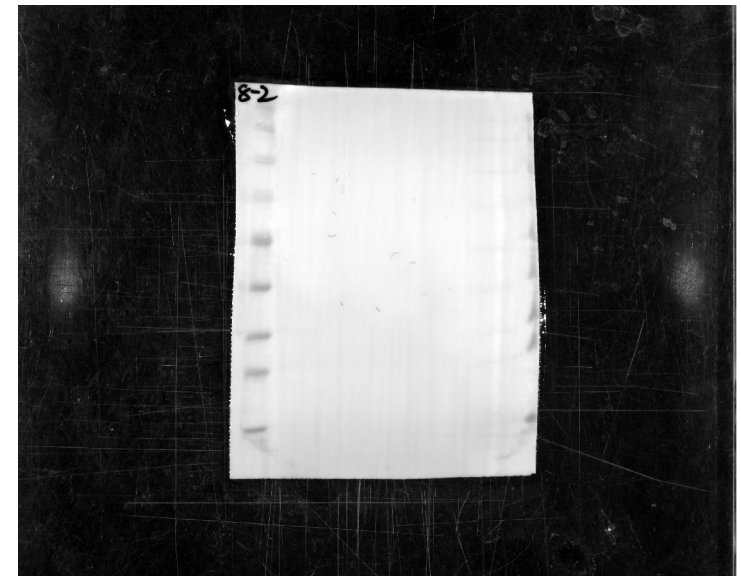
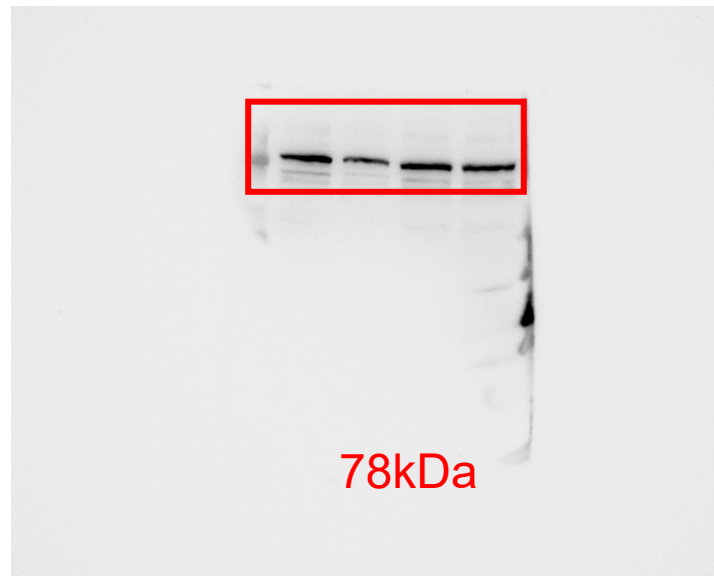
H1299 N-CA



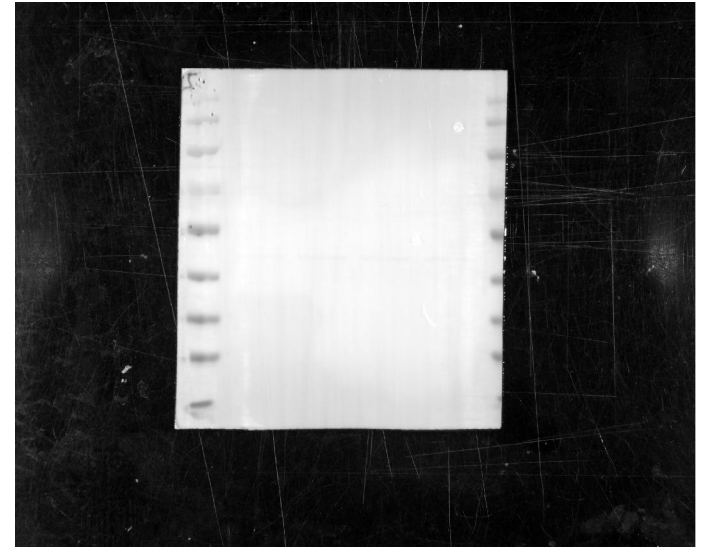
A549 MMP9



H1299 MMP9



A549 β -actin



H1299 β -actin

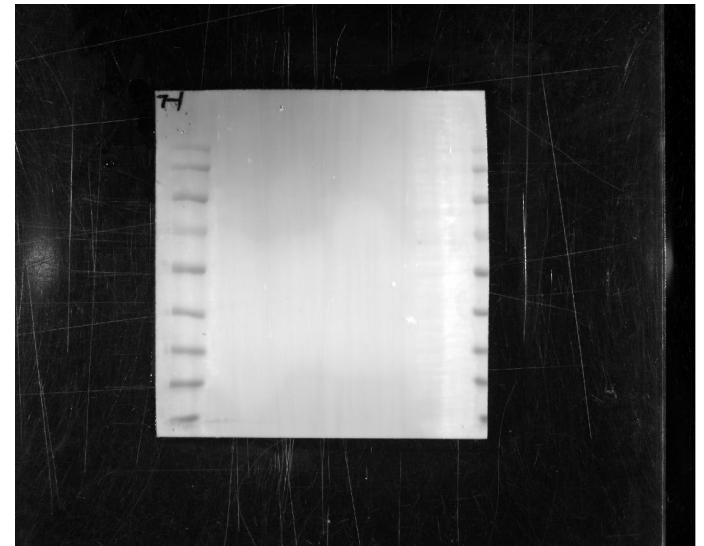
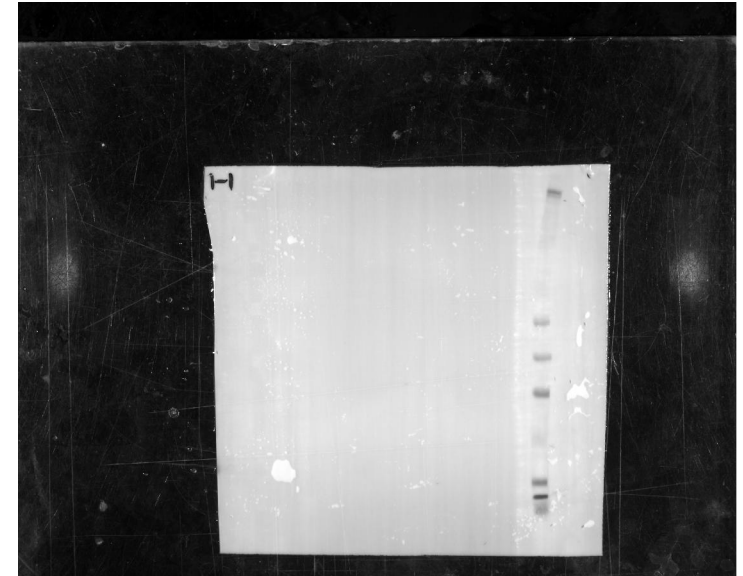
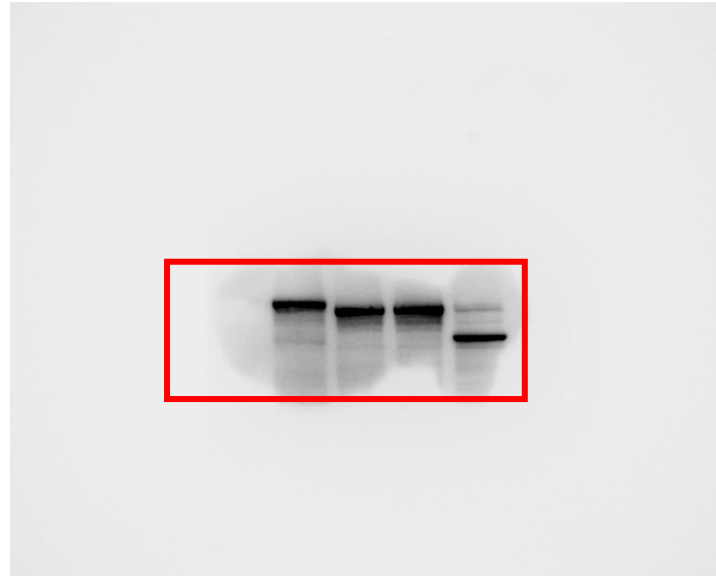
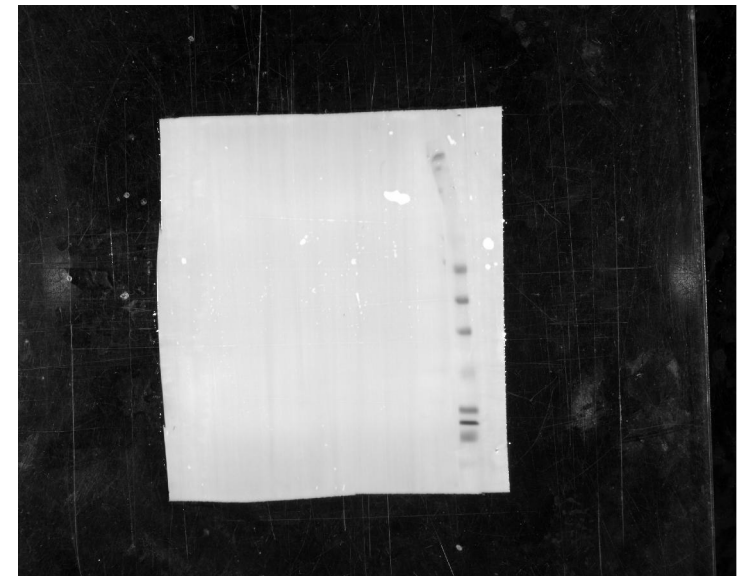


FIG 5

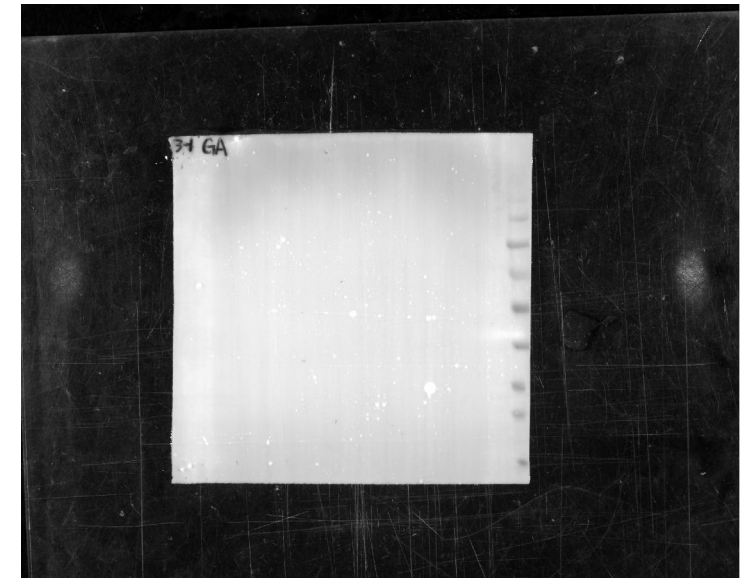
A549 myc



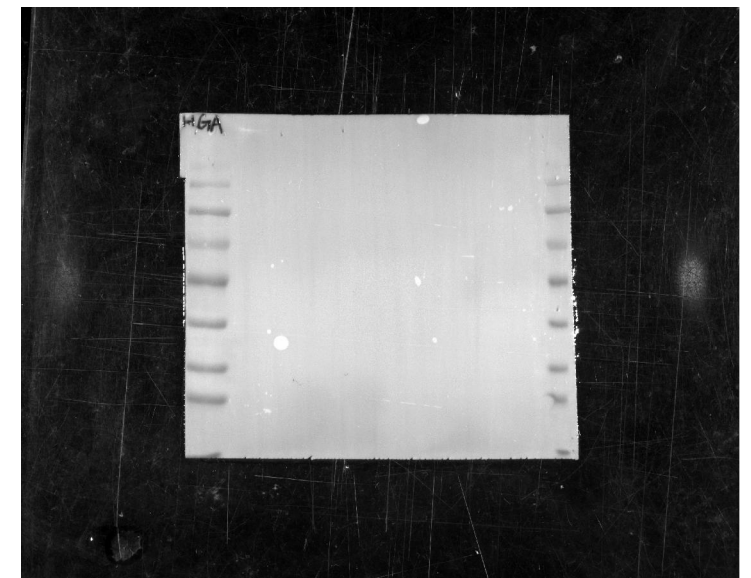
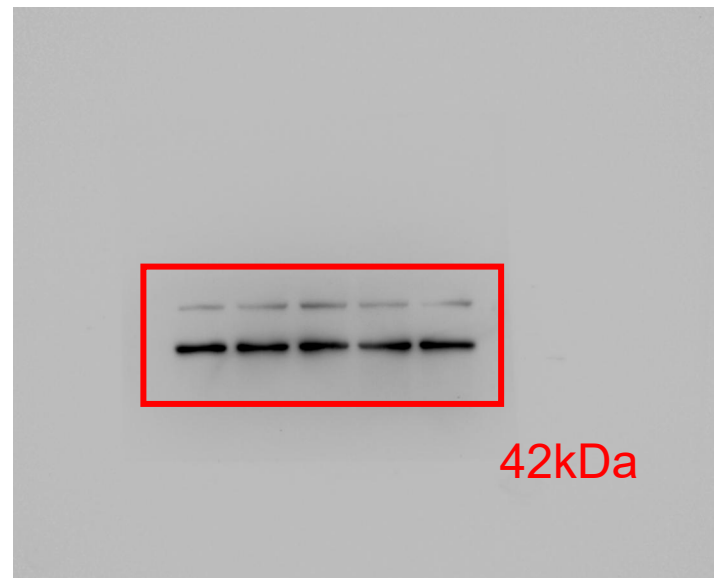
H1299 myc



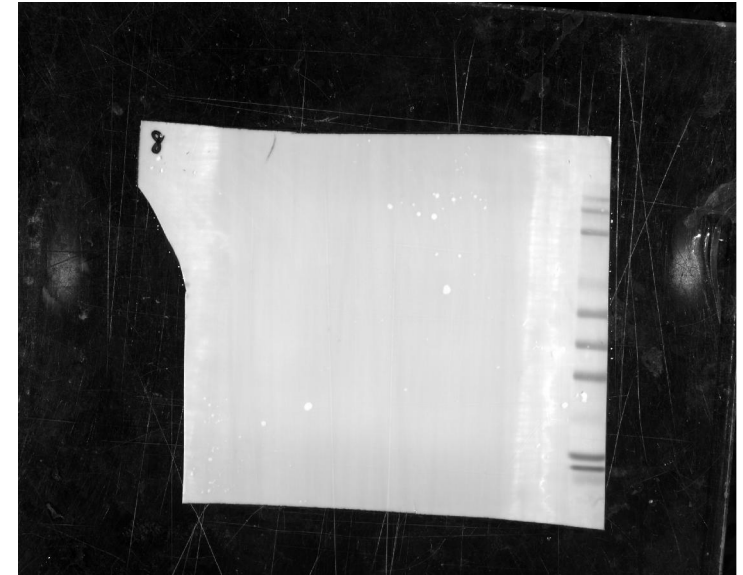
A549 β -actin



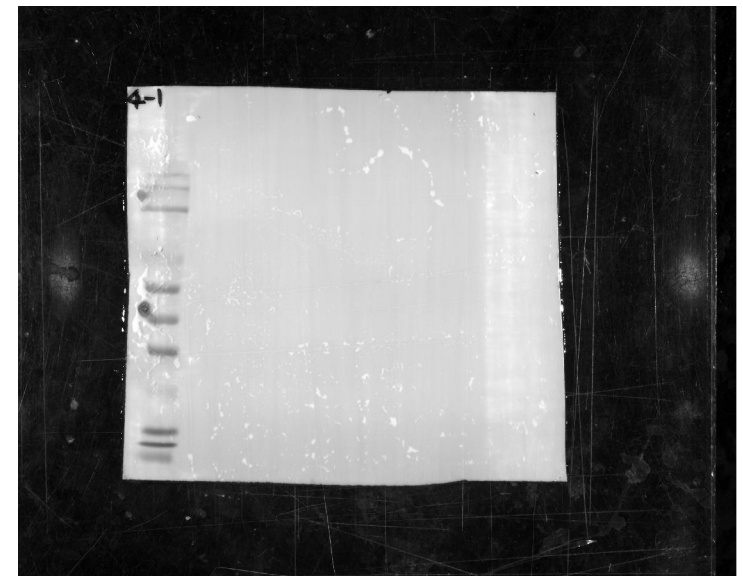
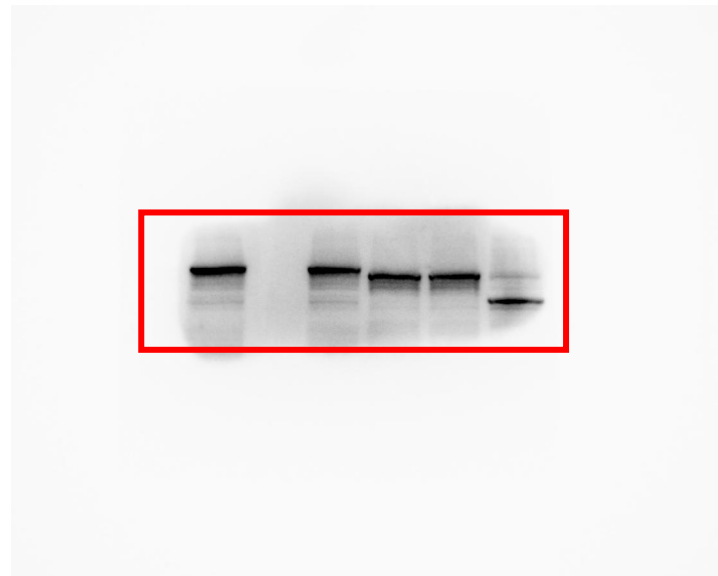
H1299 β -actin



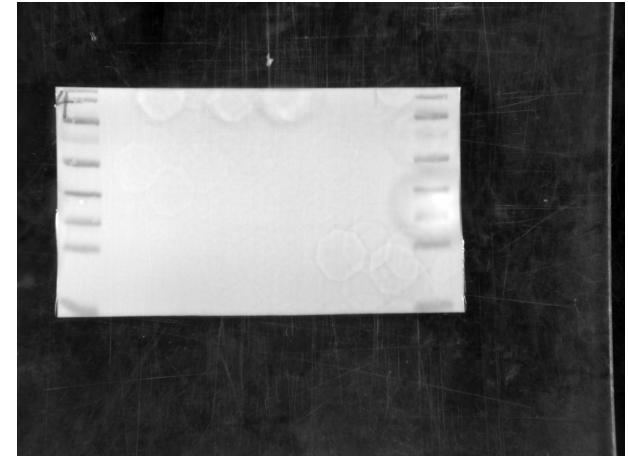
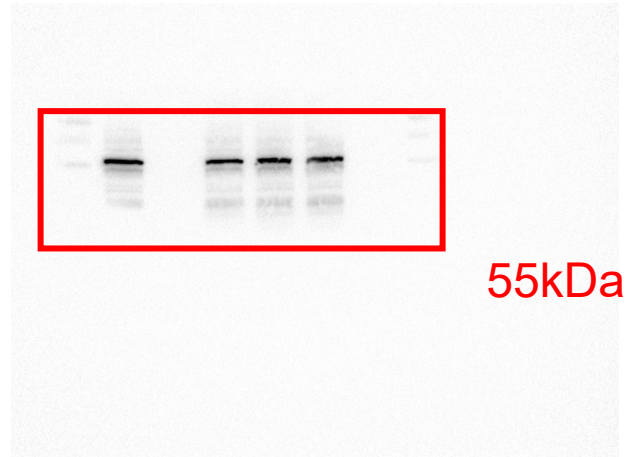
A549 myc



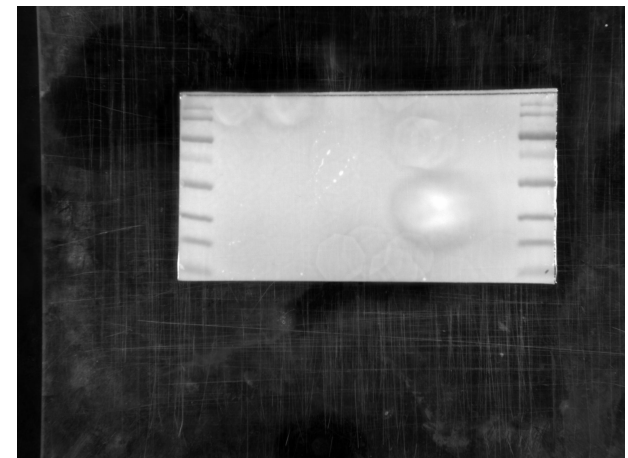
H1299 myc



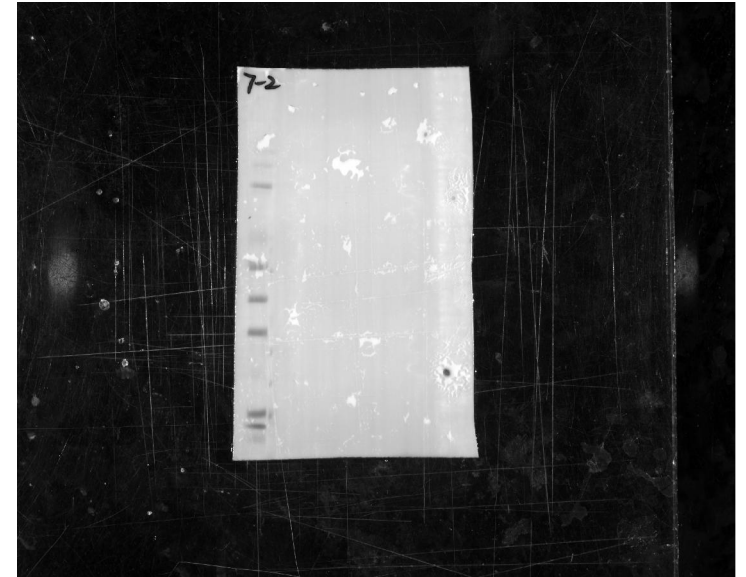
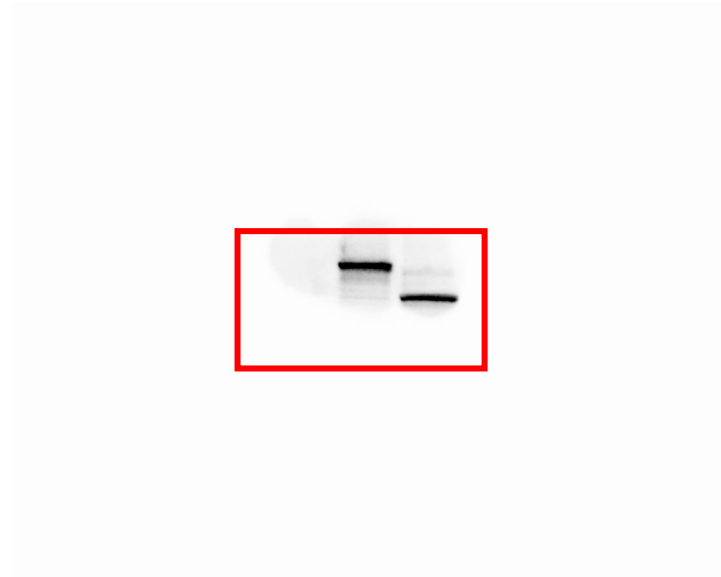
A549 pten



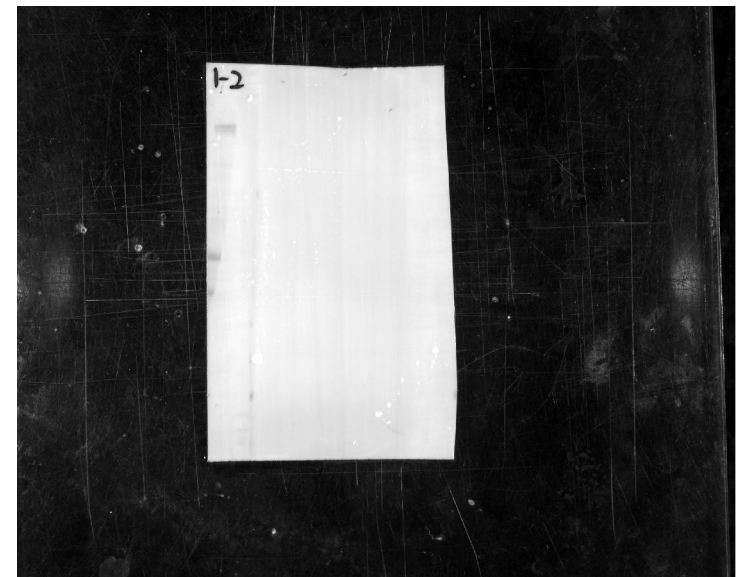
H1299 pten



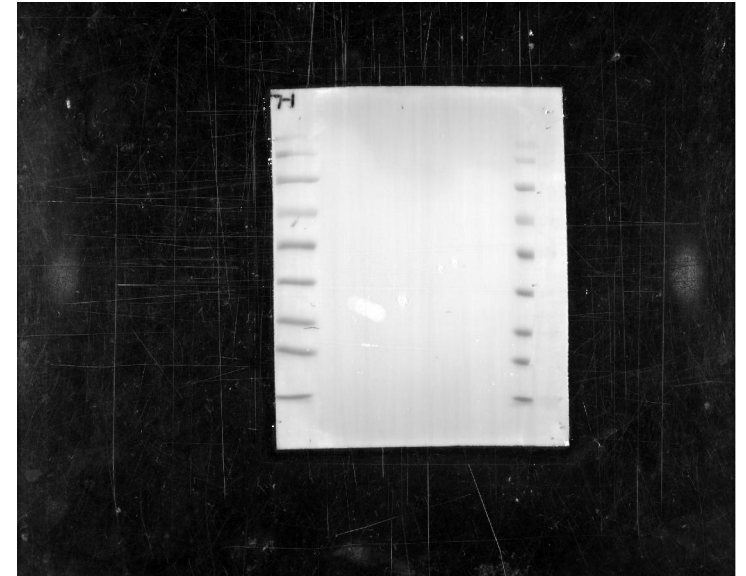
H1299 myc



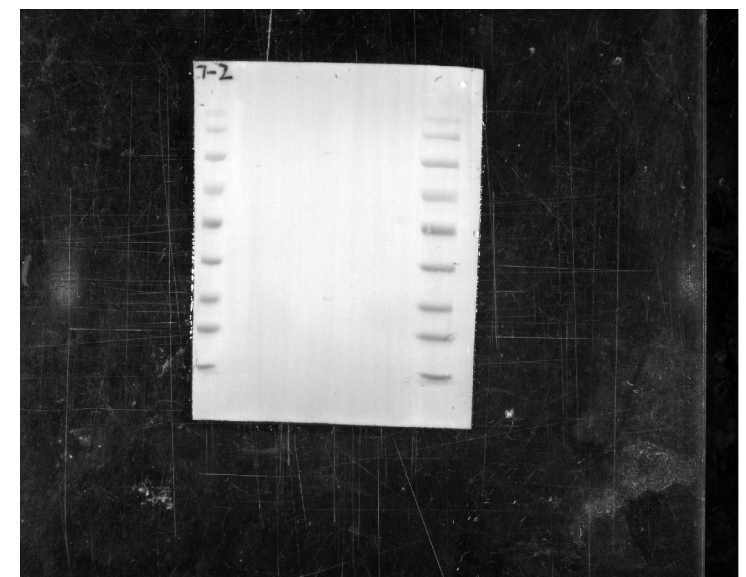
A549 myc



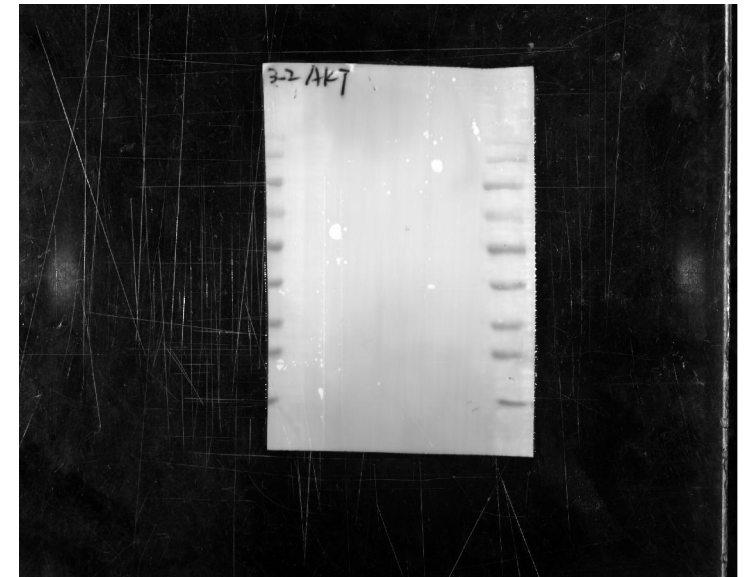
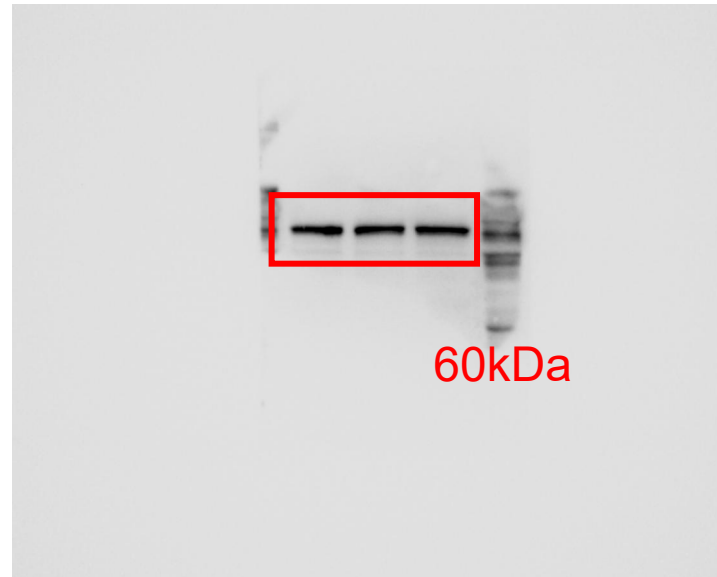
H1299 p-akt



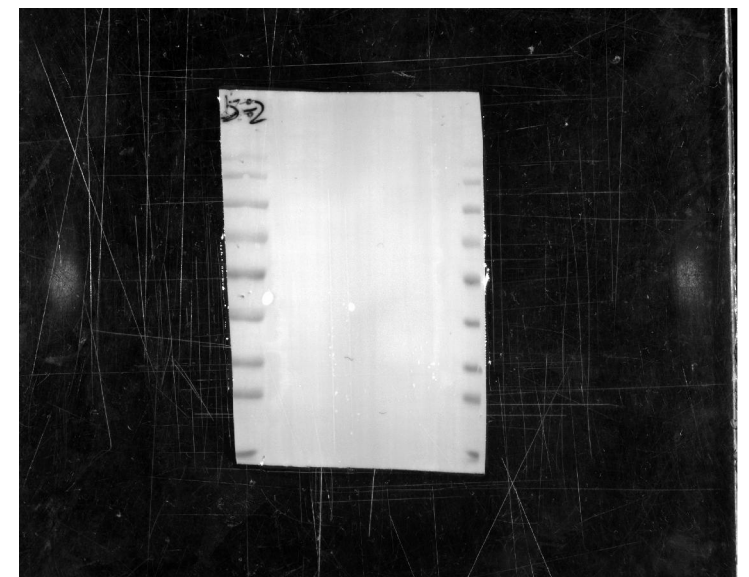
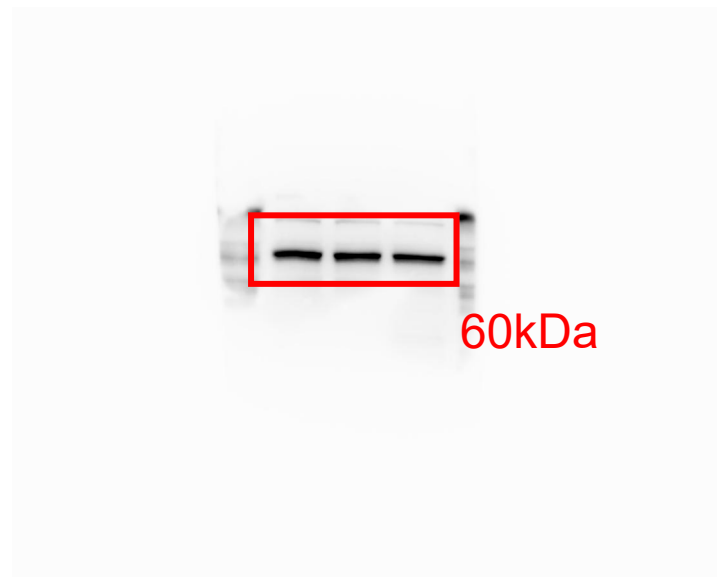
A549 p-akt



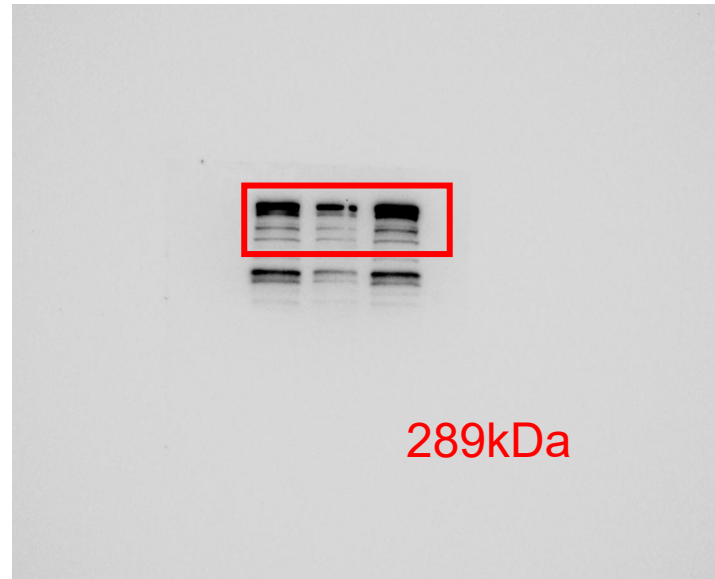
H1299 akt



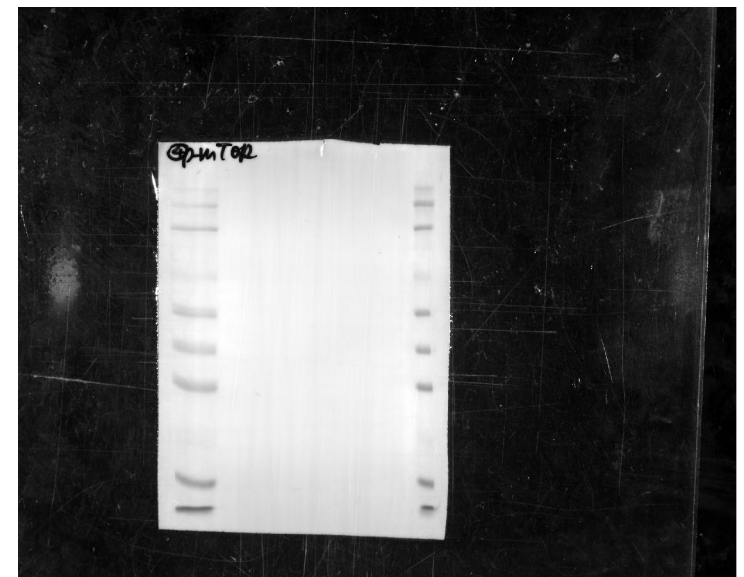
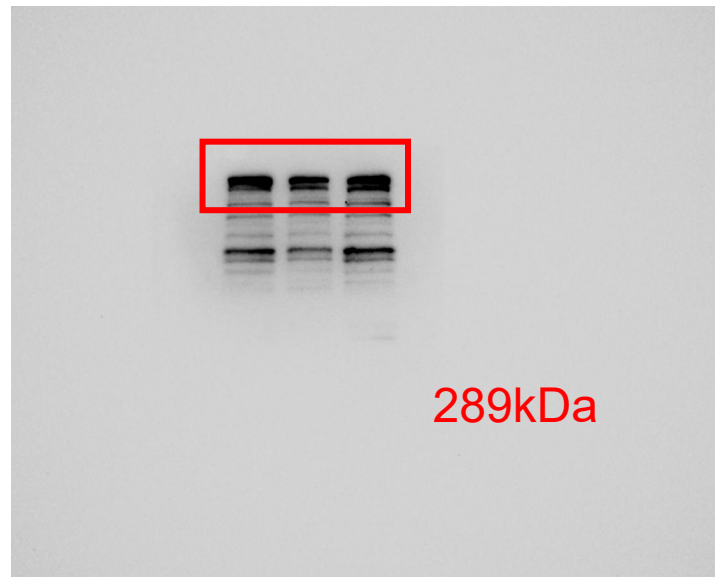
A549 akt



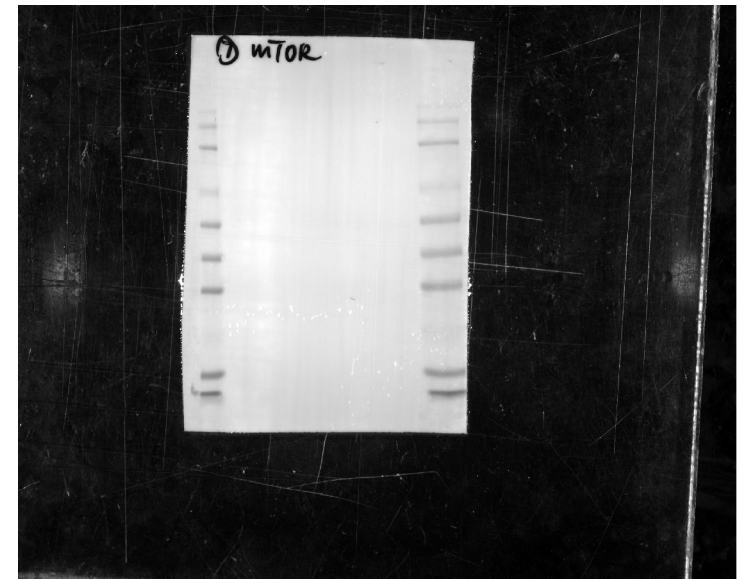
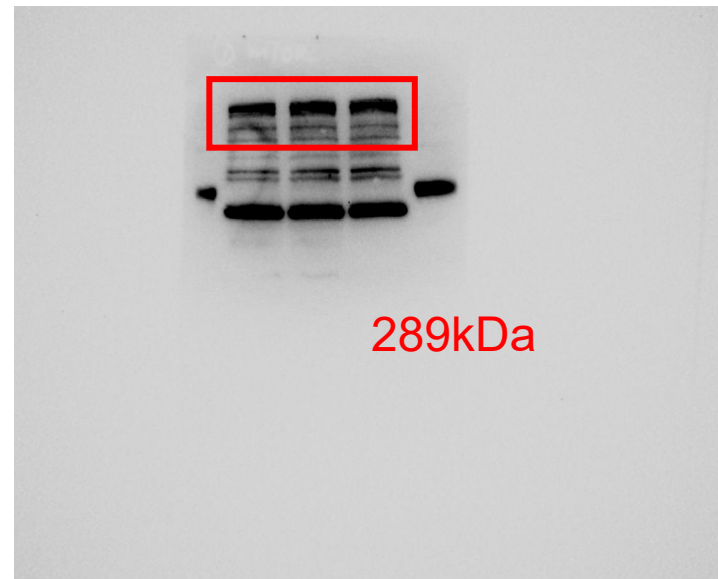
H1299 p-mtor



A549 p-mtor



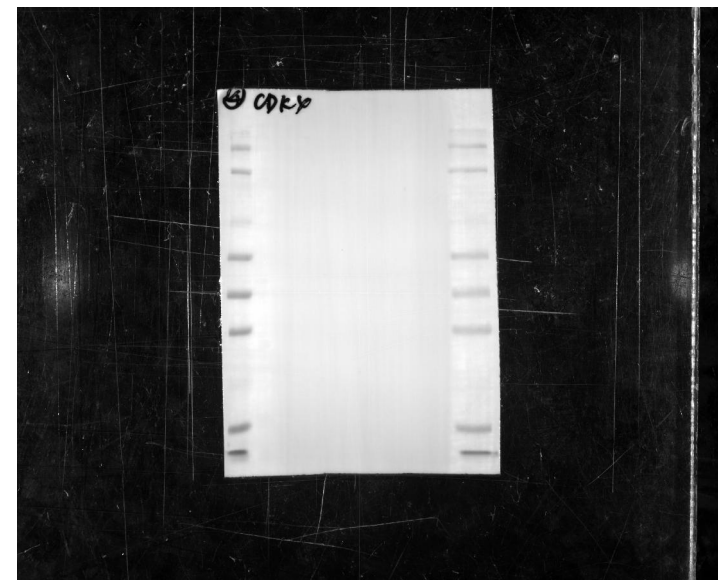
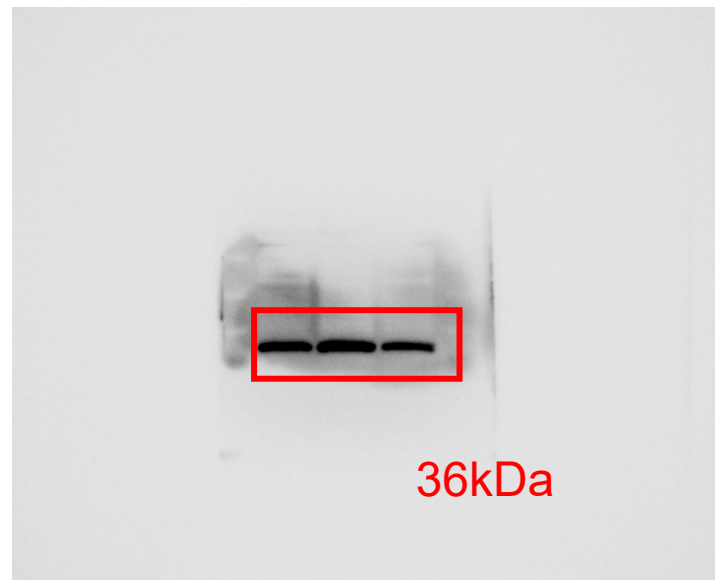
H1299 mtor



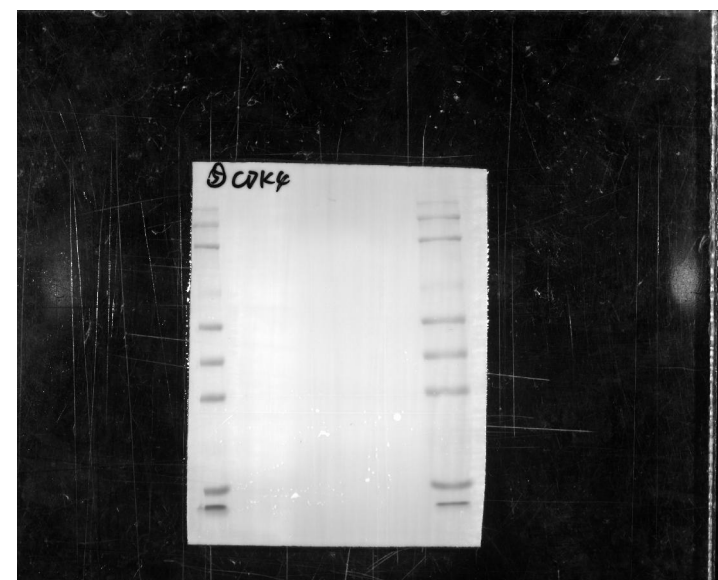
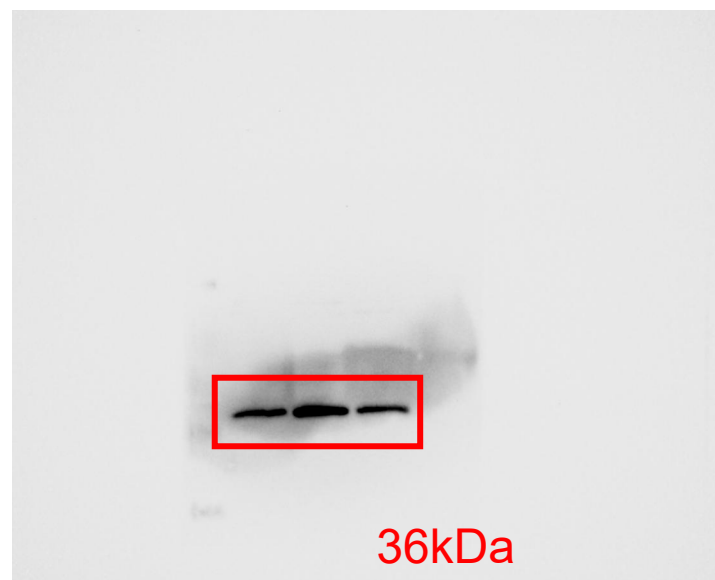
A549 mtor



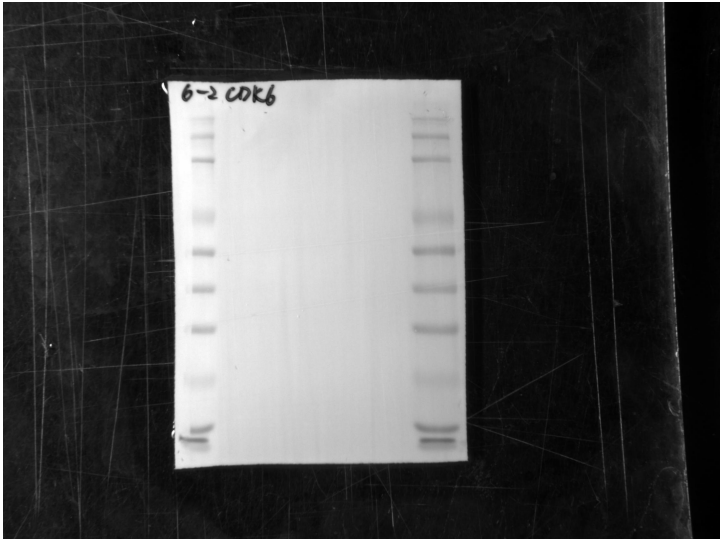
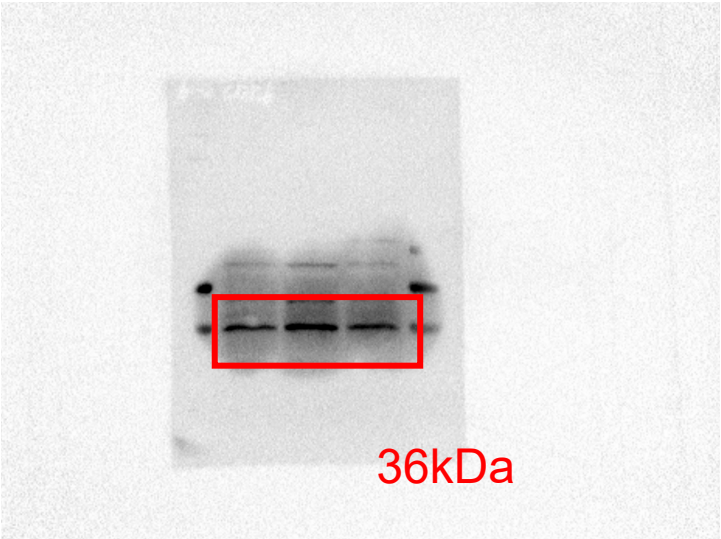
H1299 cdk4



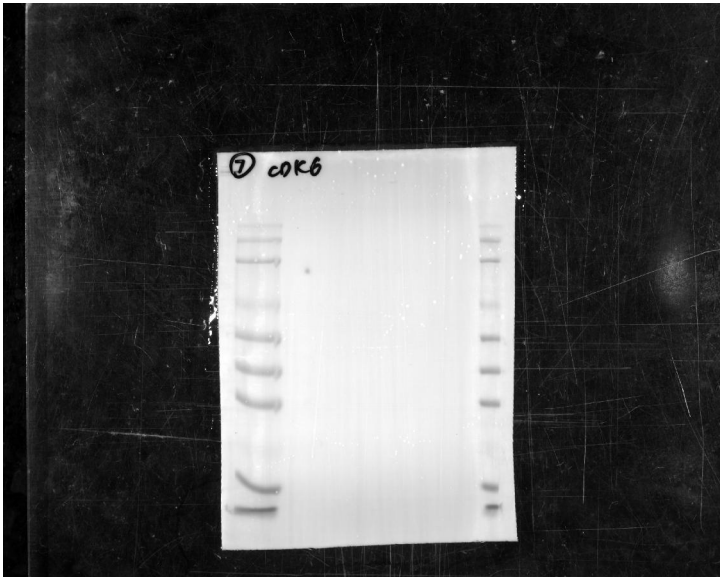
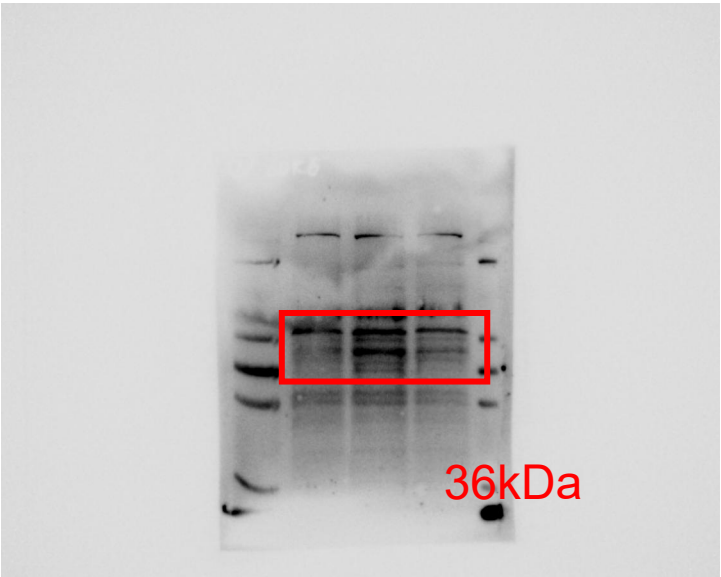
A549 cdk4



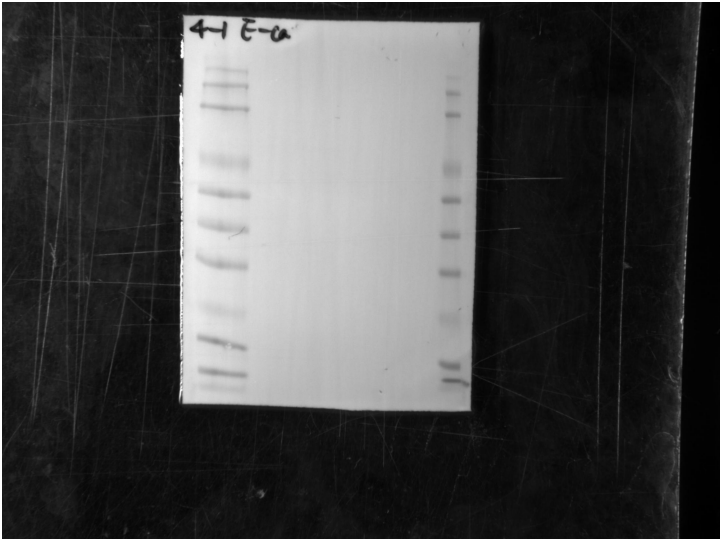
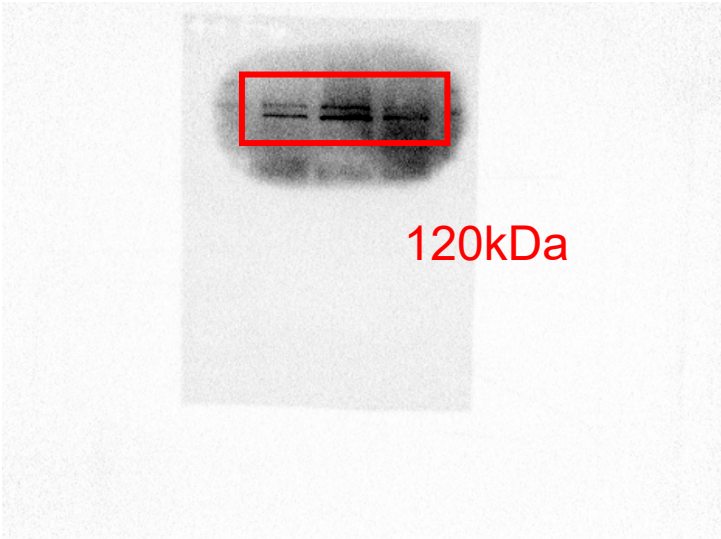
H1299 cdk6



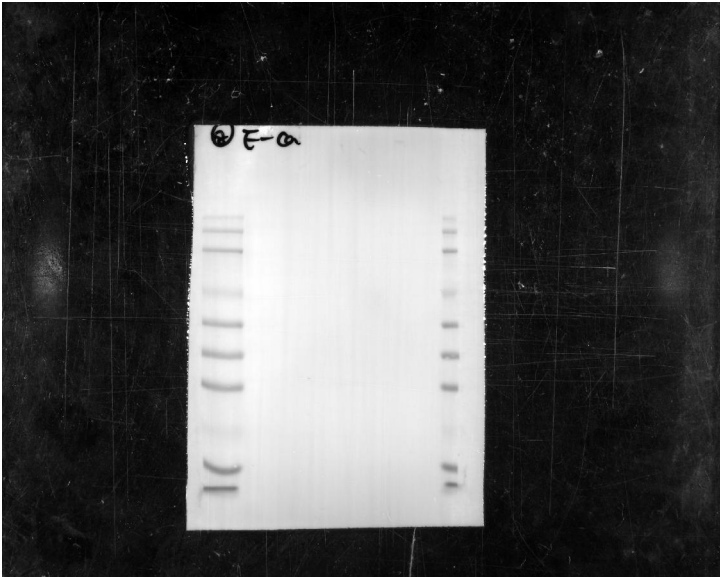
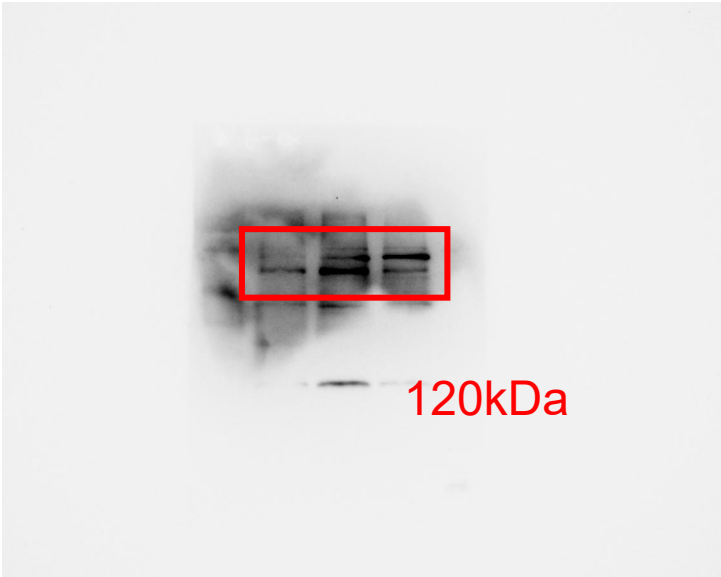
A549 cdk6



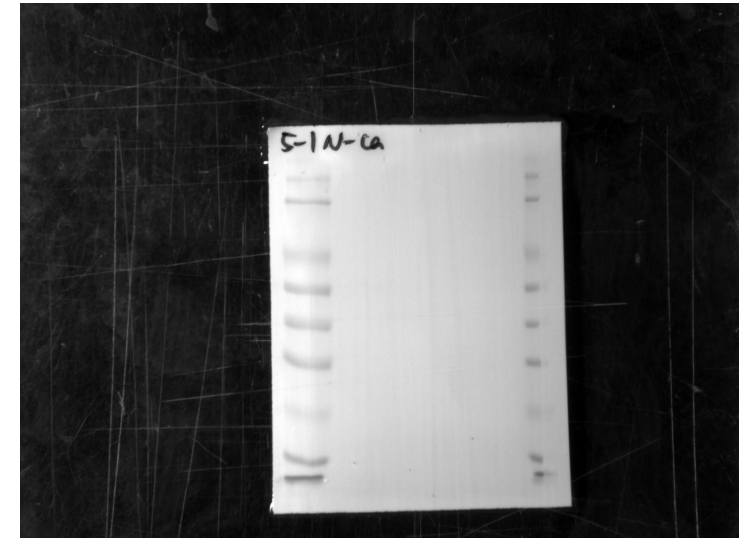
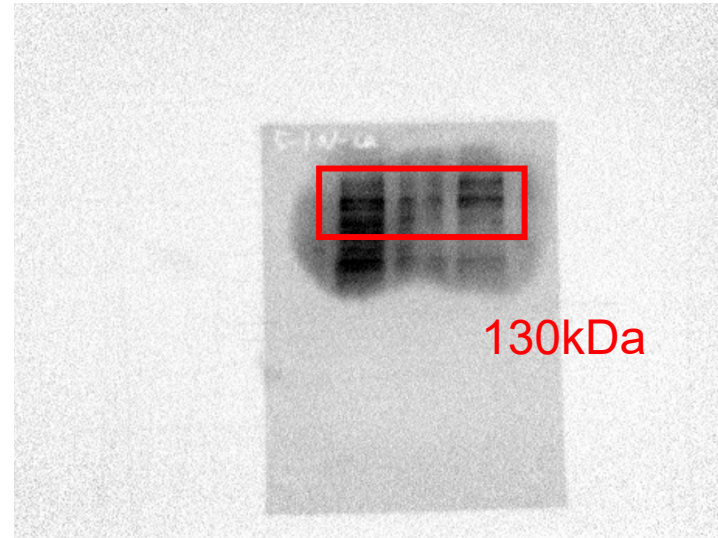
H1299 E-ca



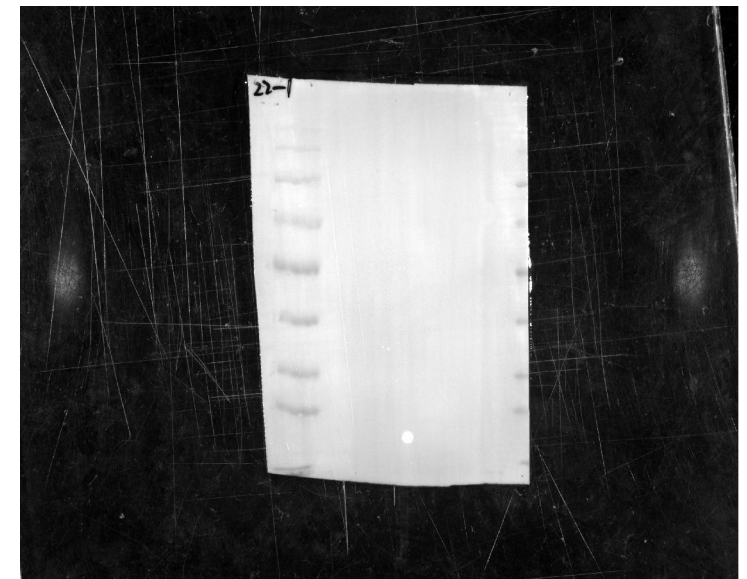
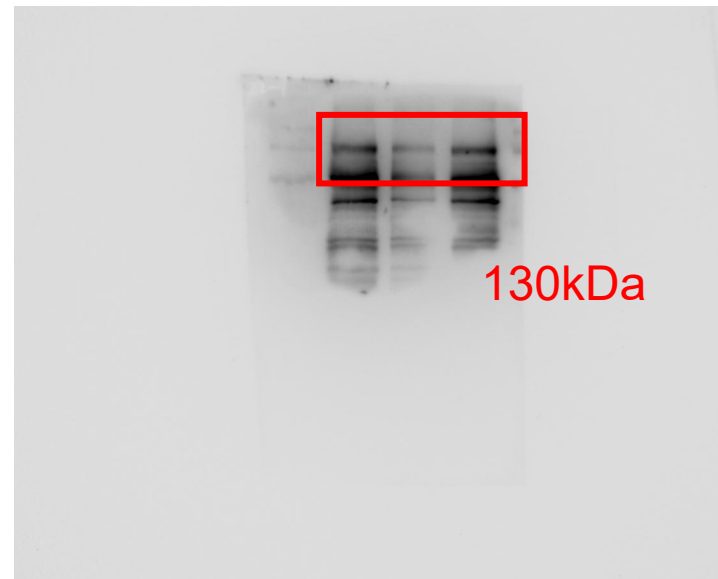
A549 E-ca



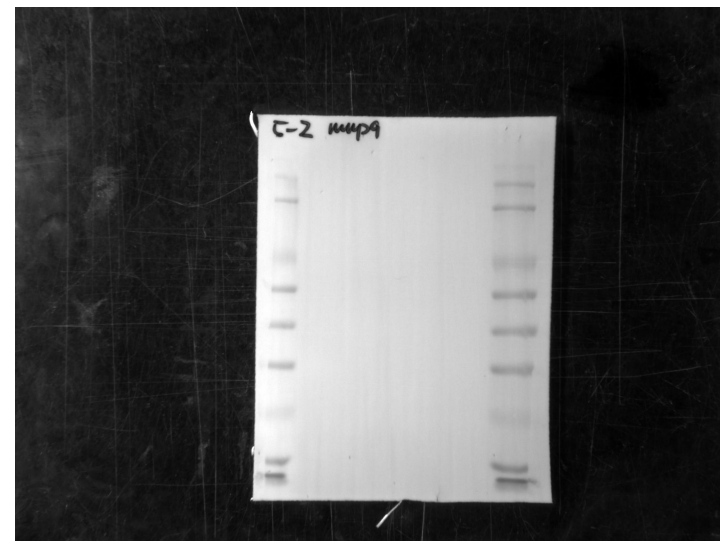
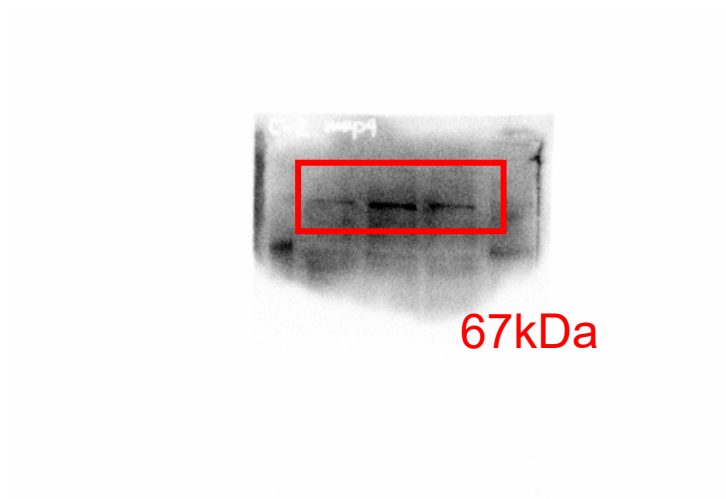
H1299 N-ca



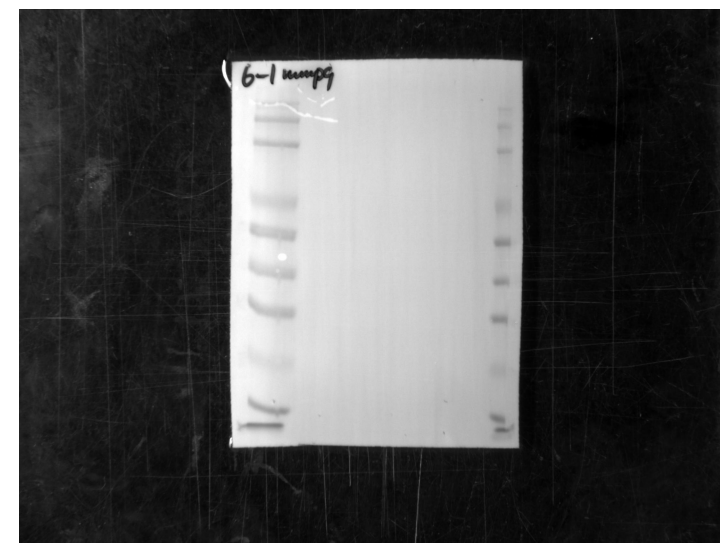
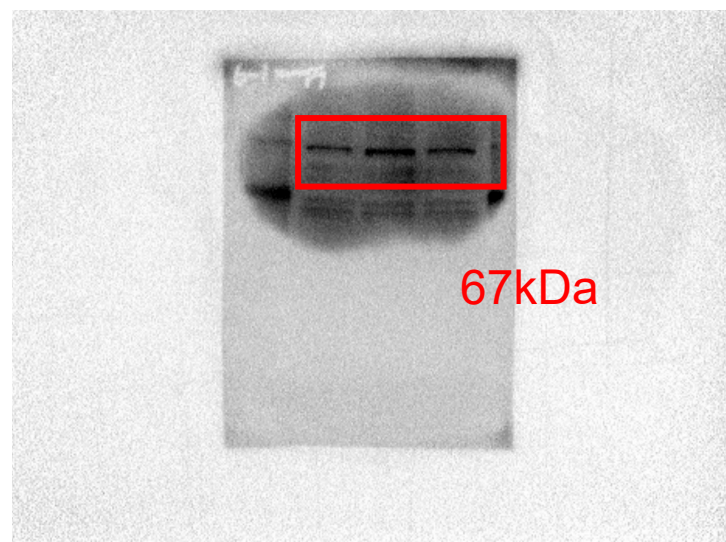
A549 N-ca



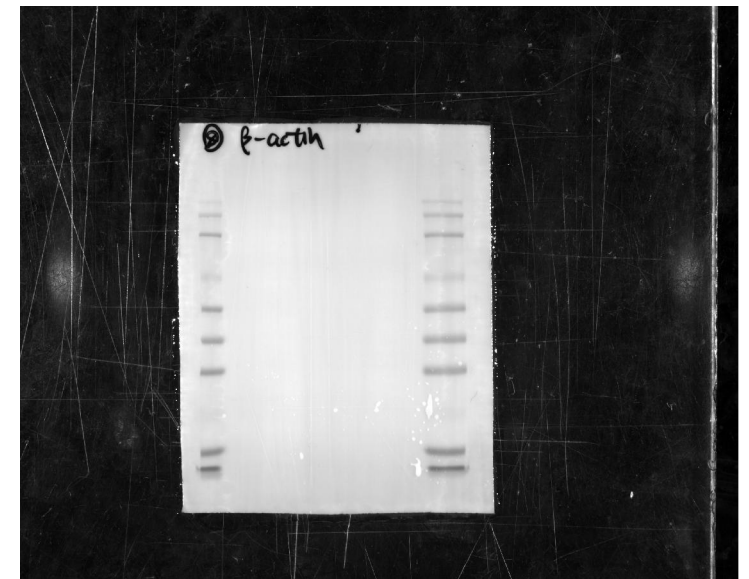
H1299 mmp9



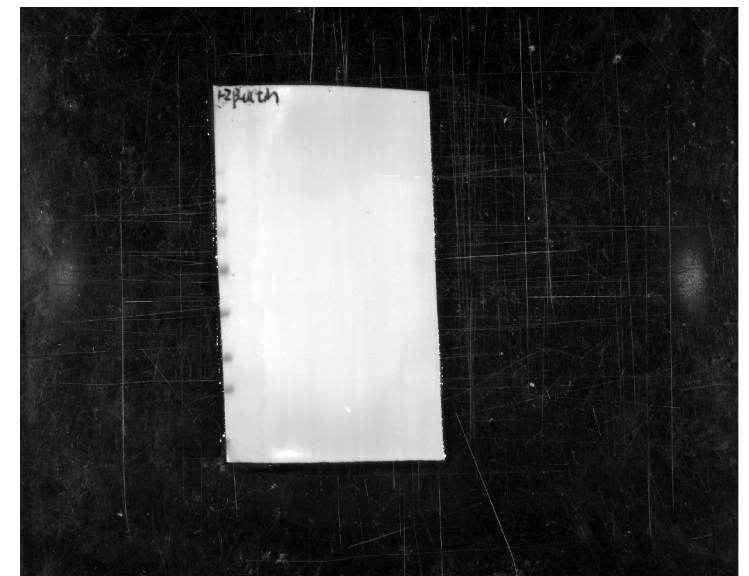
H1299 mmp9



H1299 β -actin

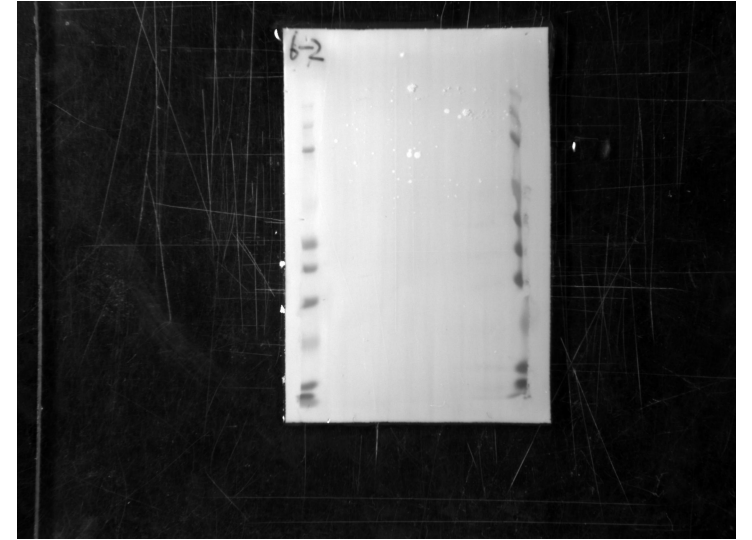
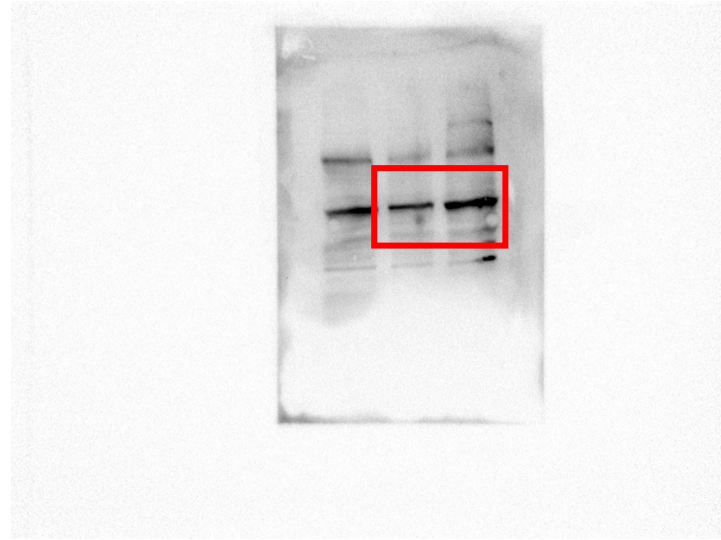


H1299 β -actin

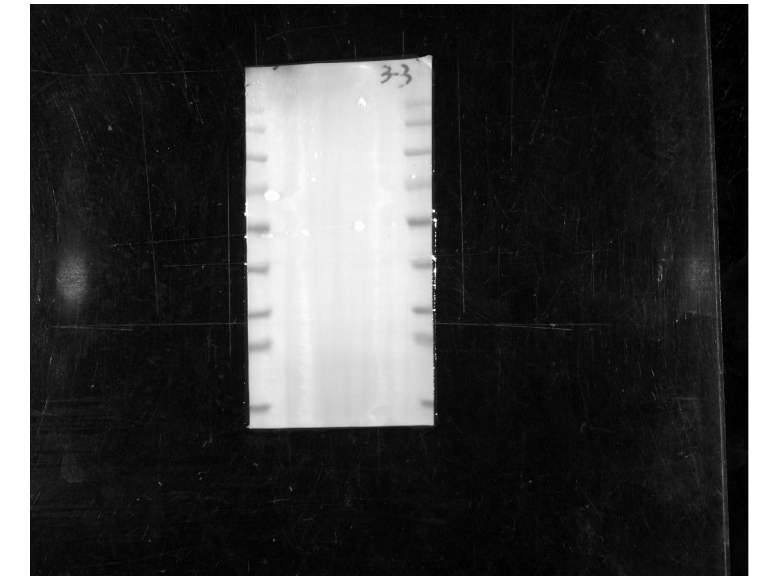


S-FIG 8

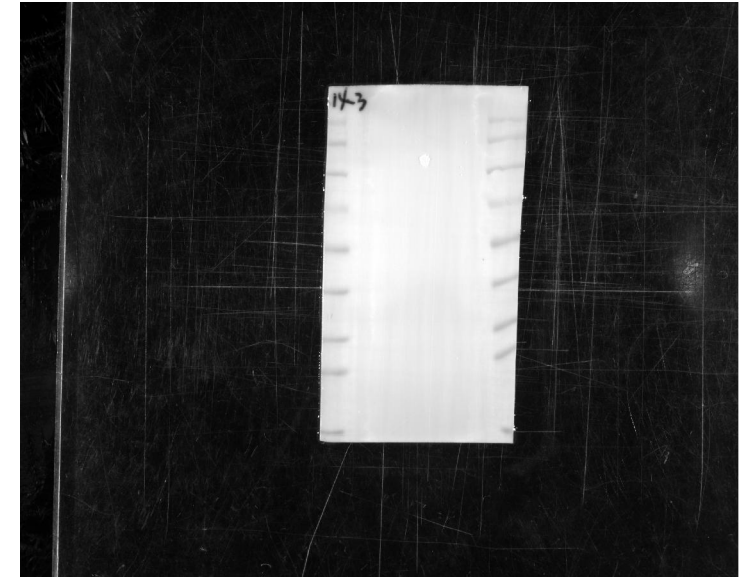
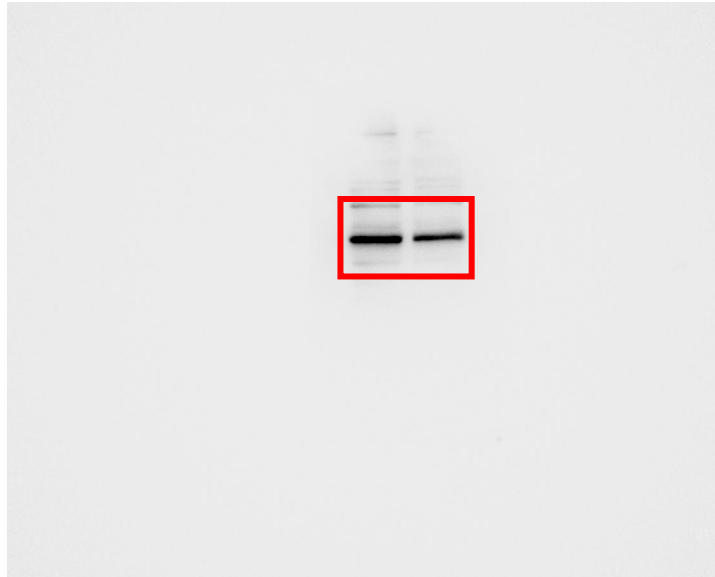
A549 ZC3H15



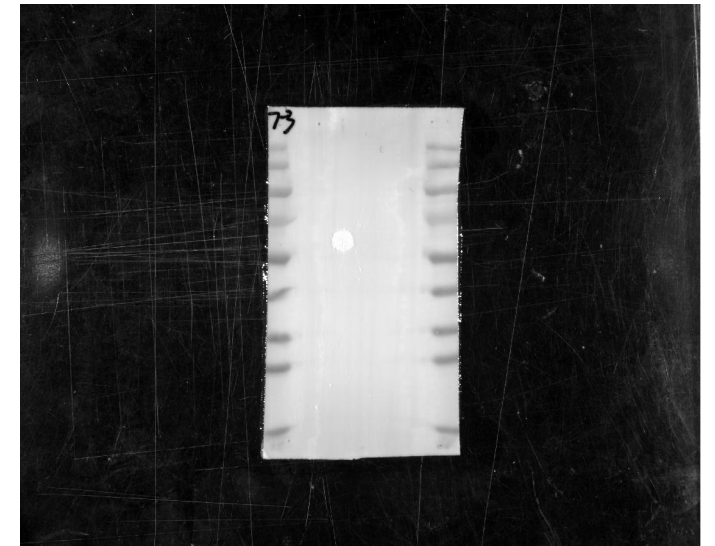
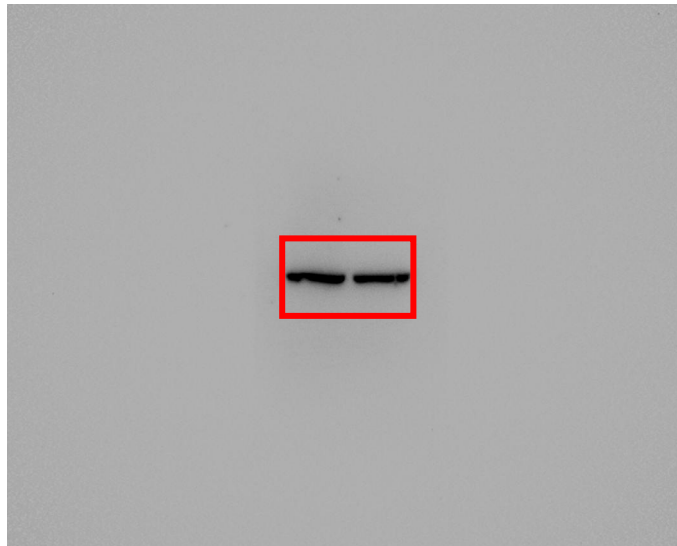
A549 p-PTEN



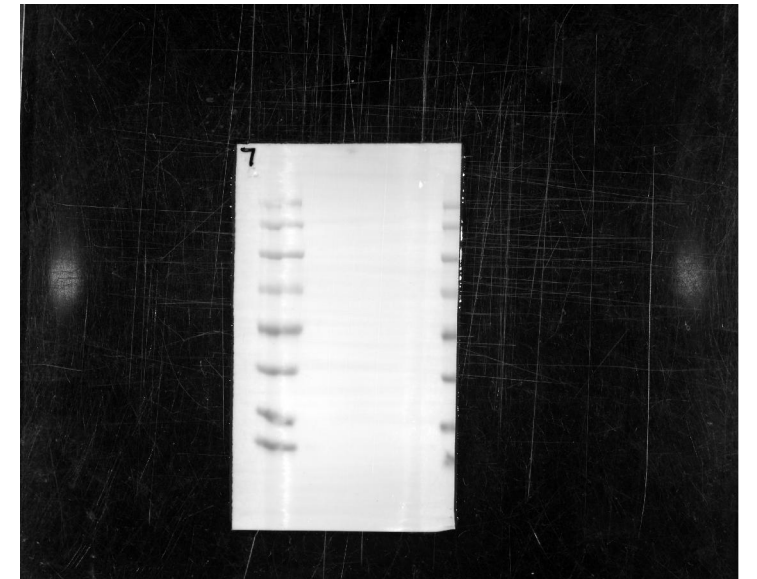
A549 pten



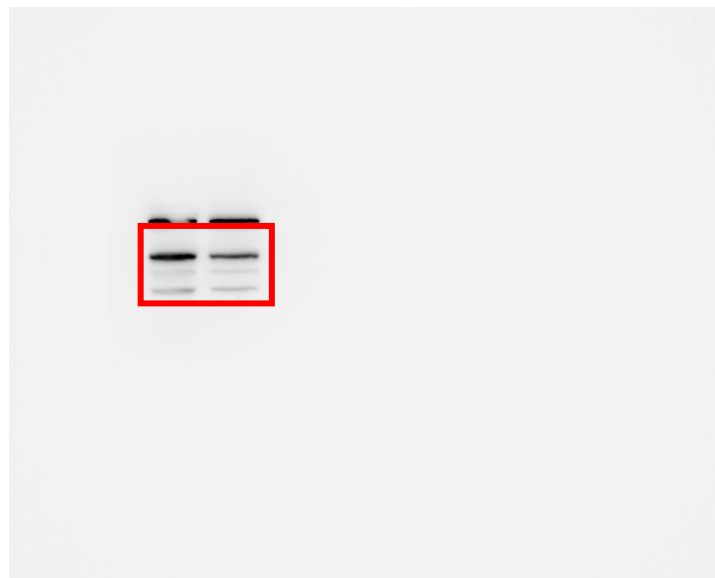
A549 β -actin



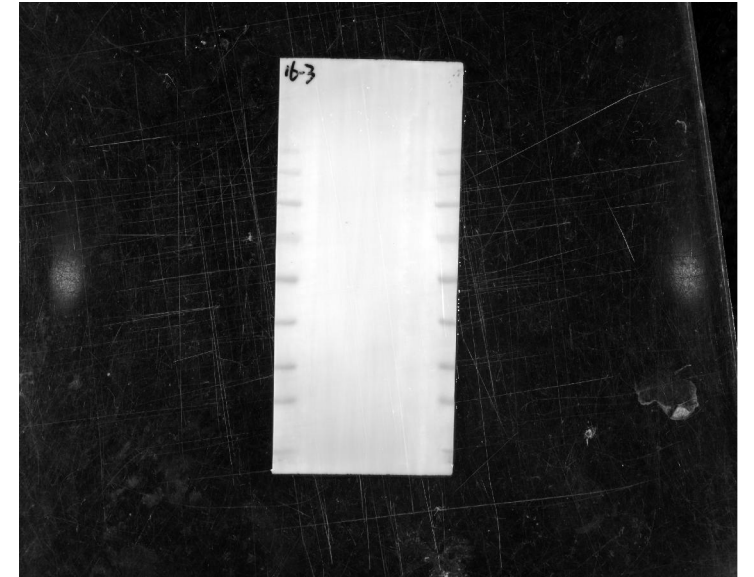
H1299 ZC3H15



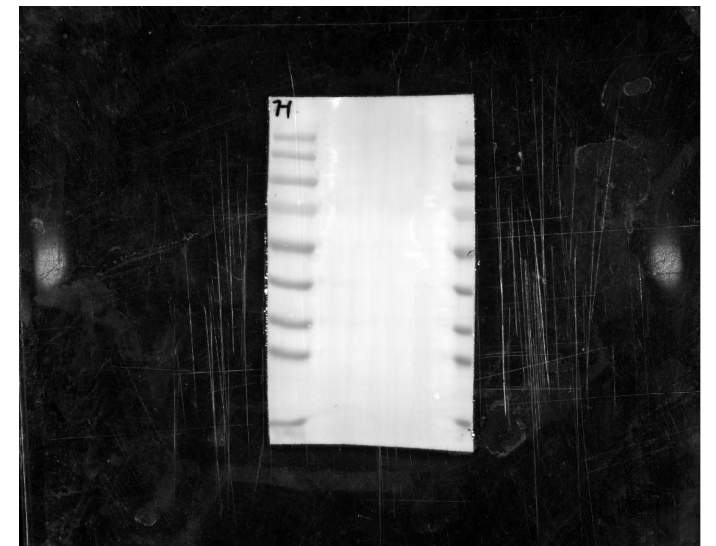
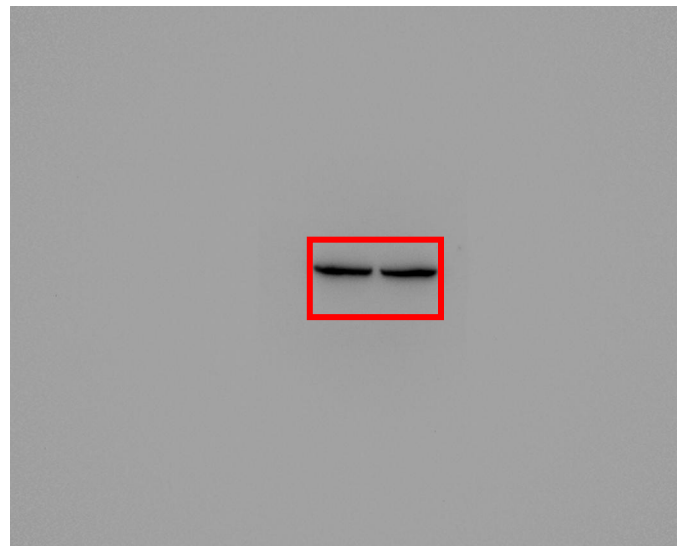
H1299 P-PTEN



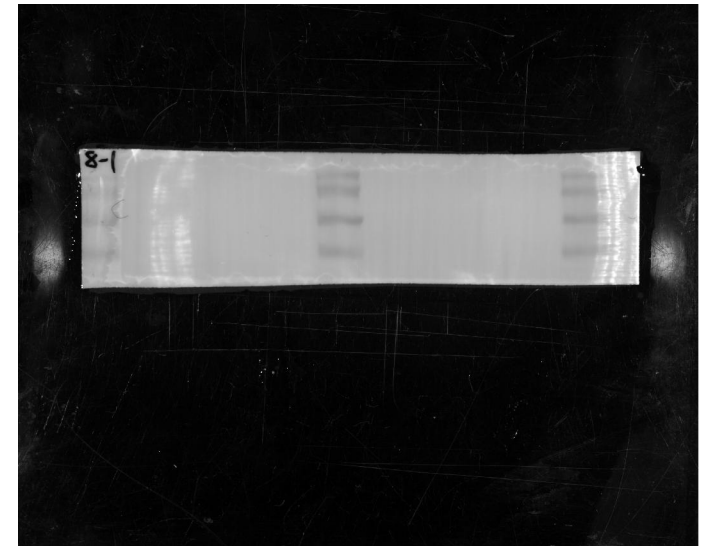
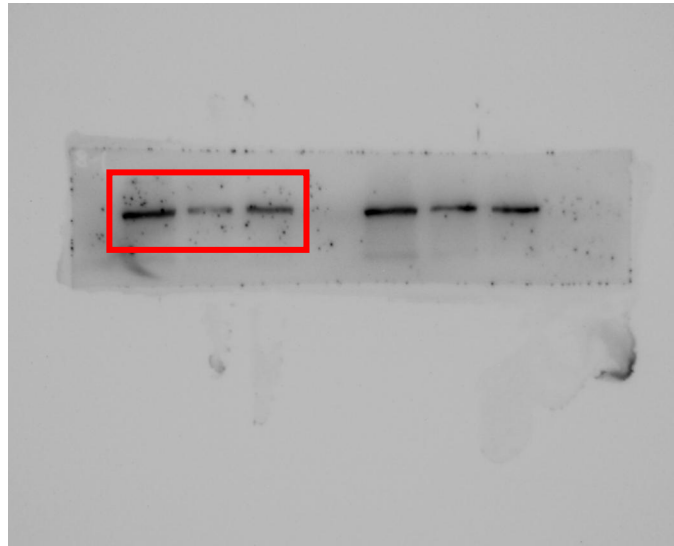
H1299 PTEN



H1299 β -actin



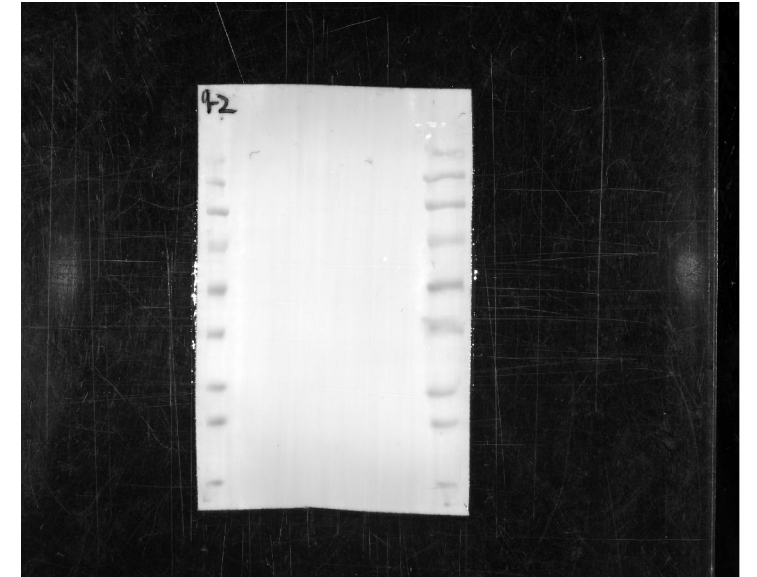
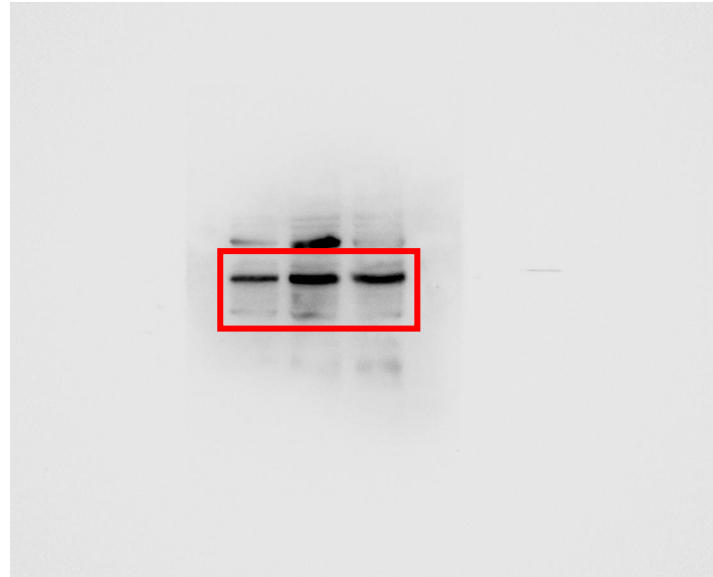
A549 ZC3H15



A549 p-pten



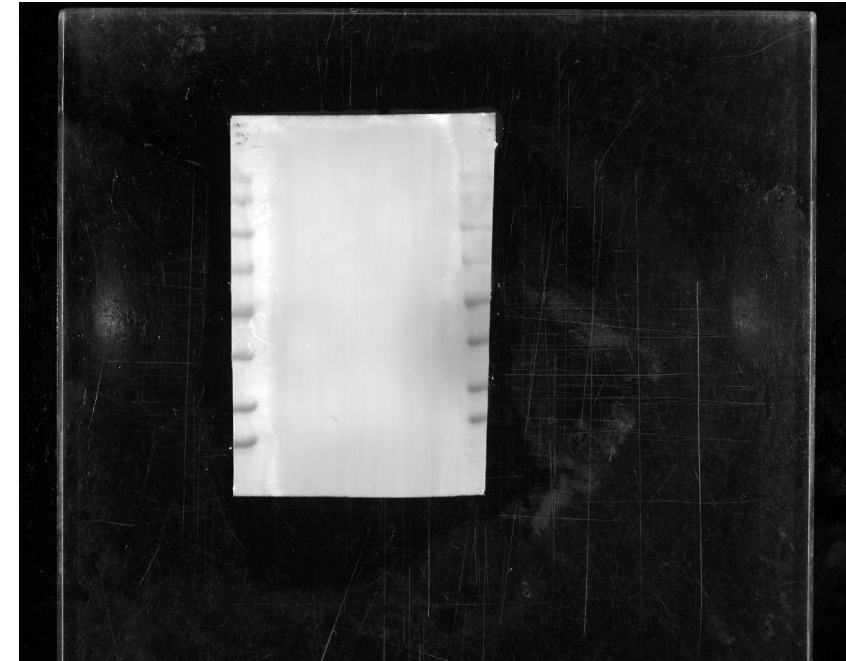
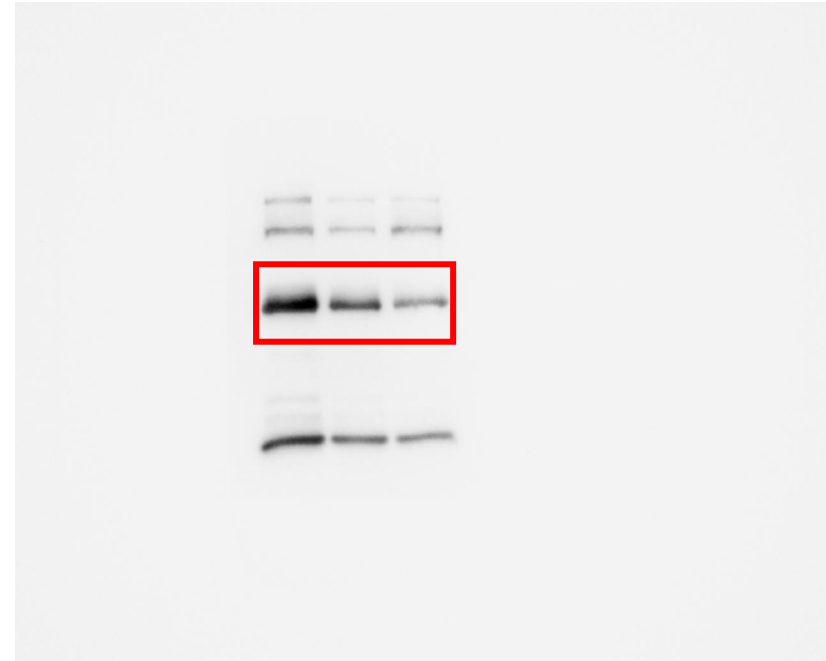
A549 pten



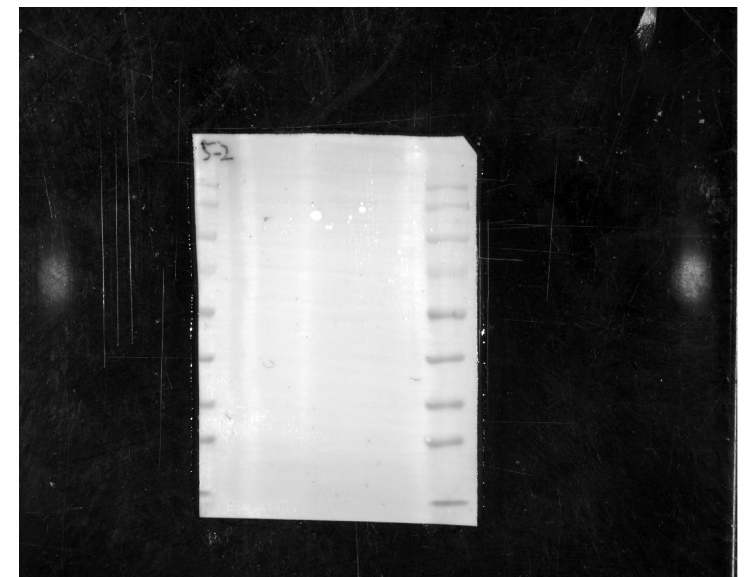
A549 β -actin



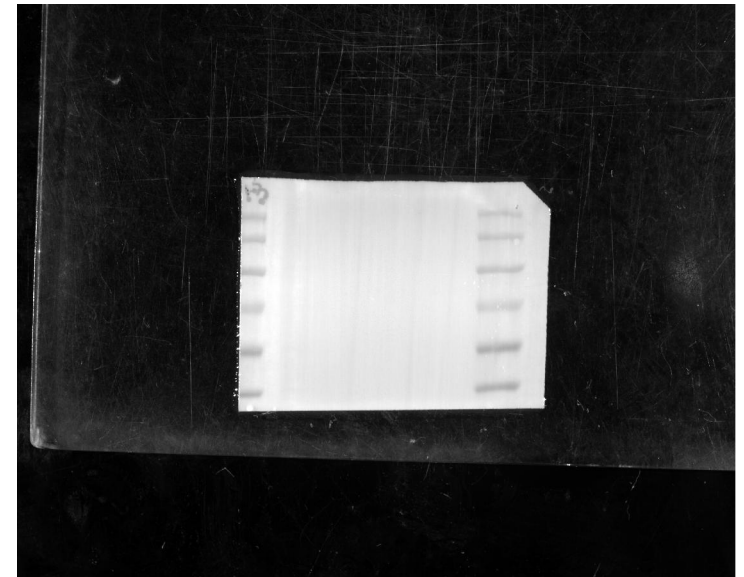
H1299 ZC3H15



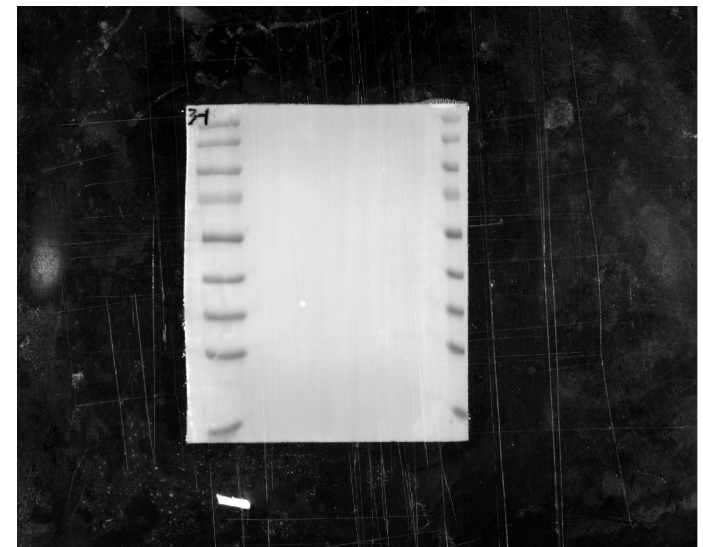
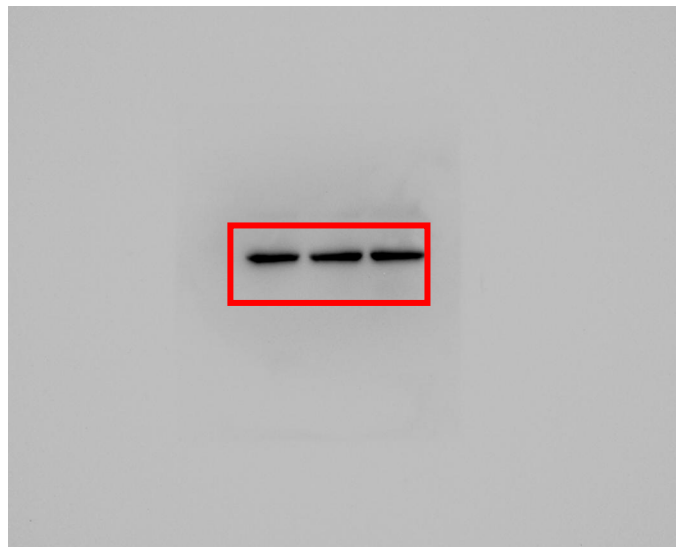
H1299 p-PTEN



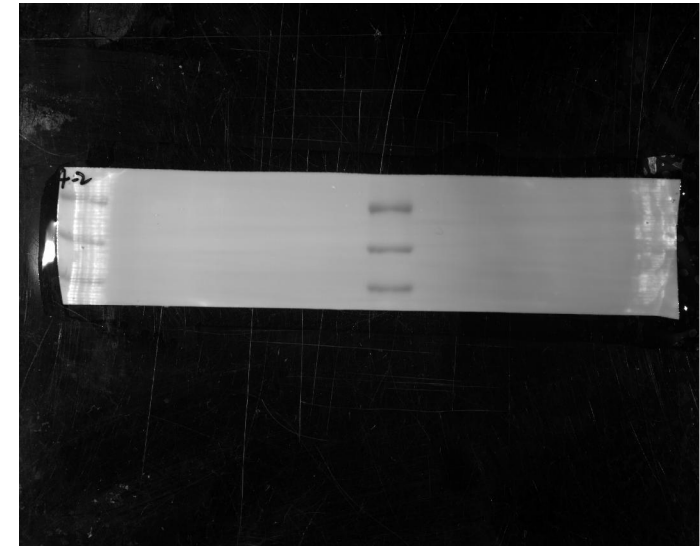
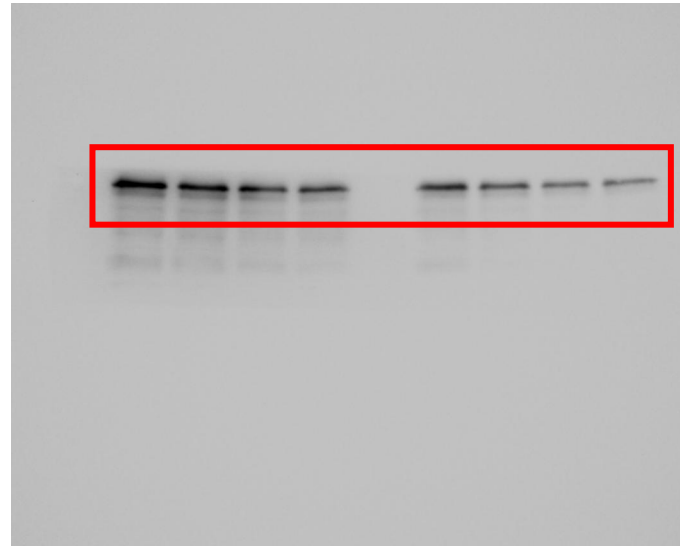
H1299 pten



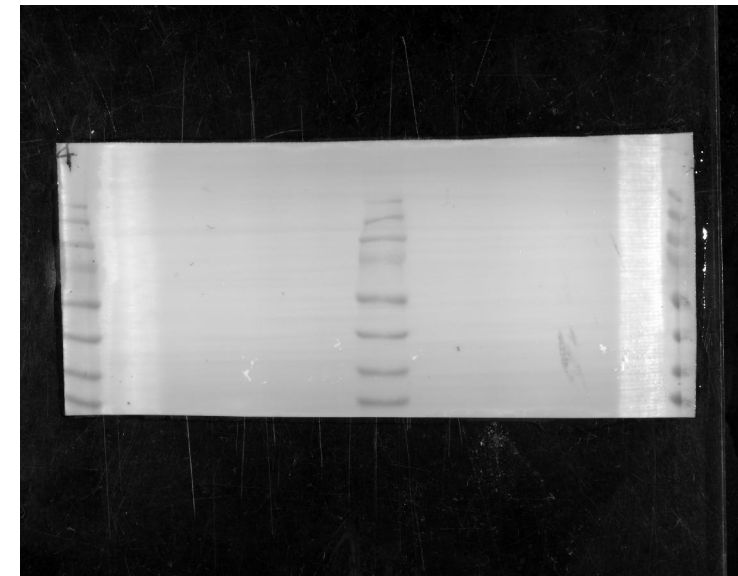
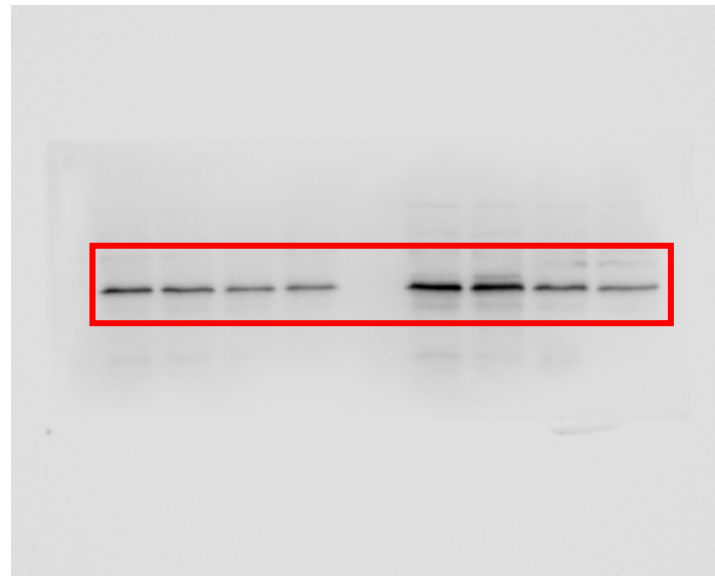
H1299 pten



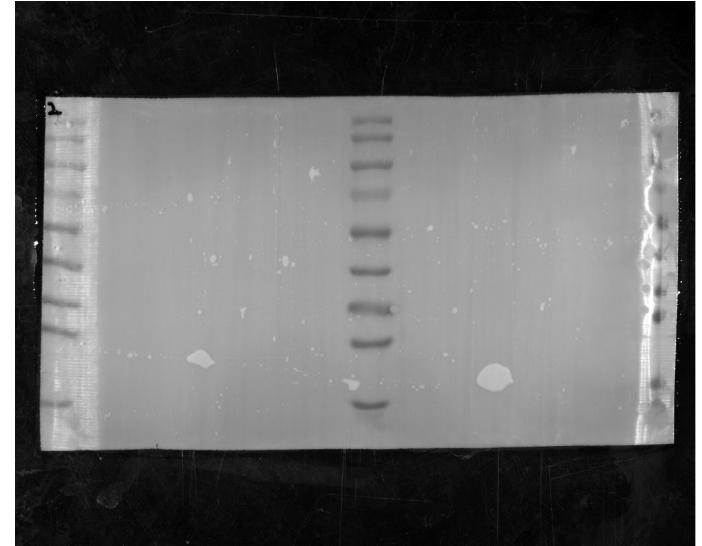
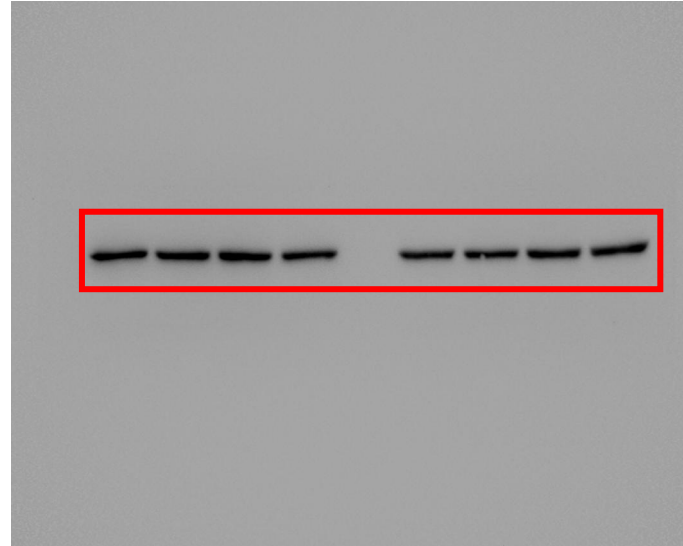
A549 ZC3H15



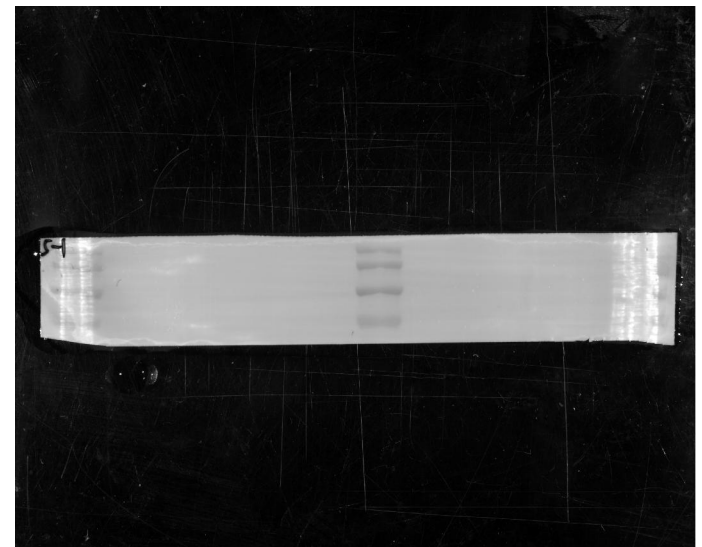
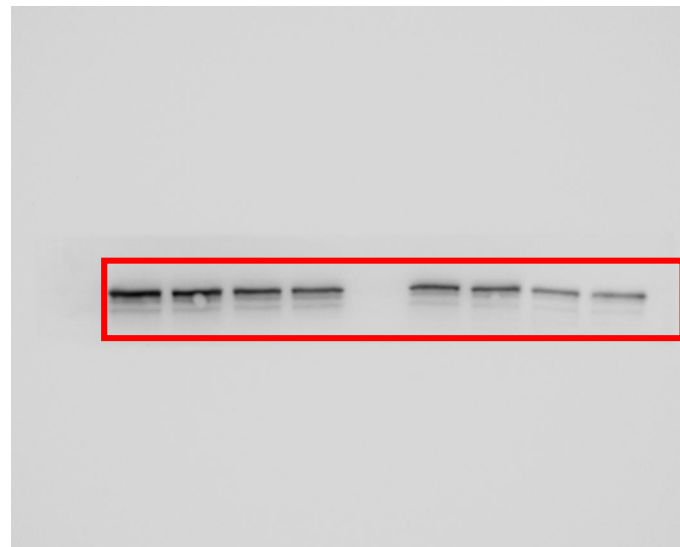
A549 PTEN



A549 β -actin



H1299 ZC3H15



H1299 PTEN



H1299 β -actin

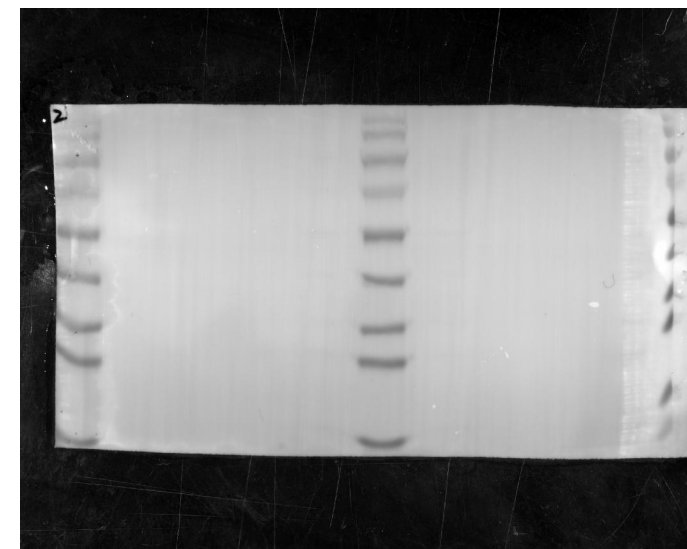
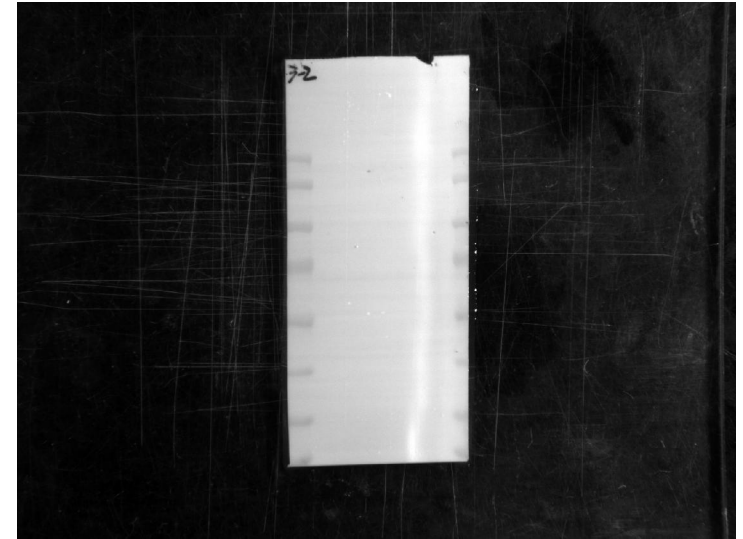
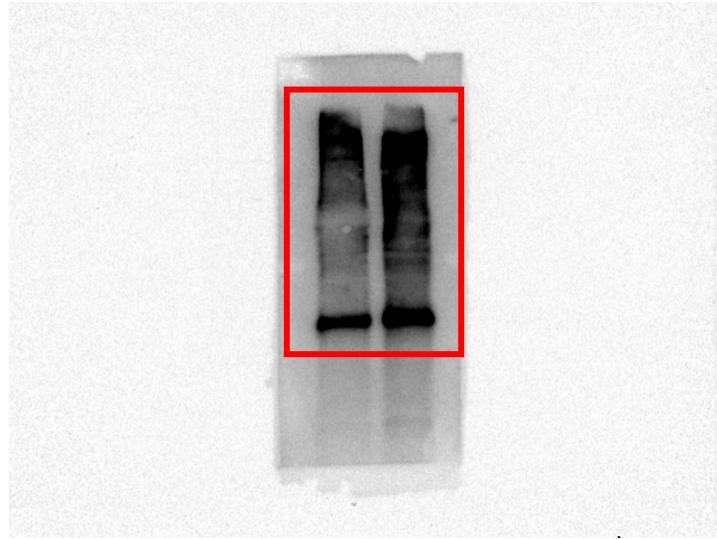
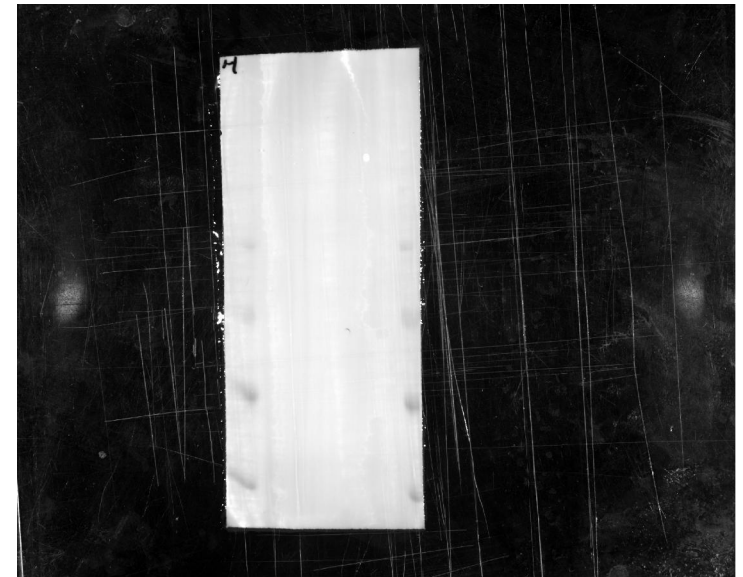
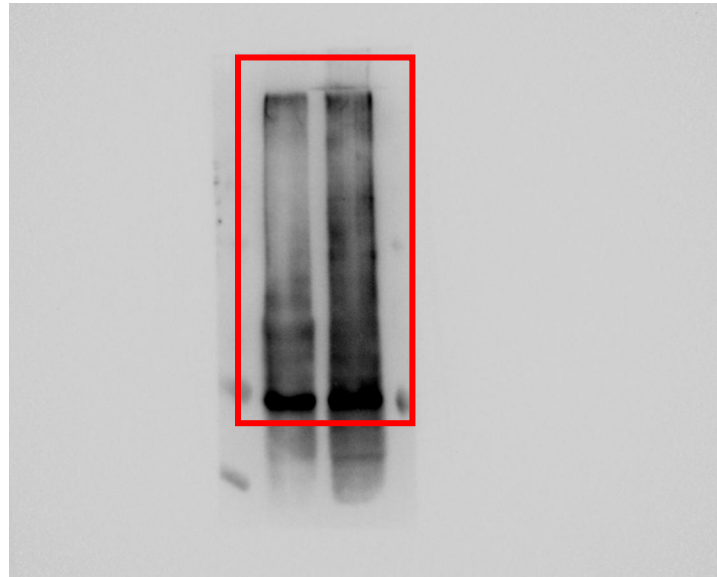


FIG 6

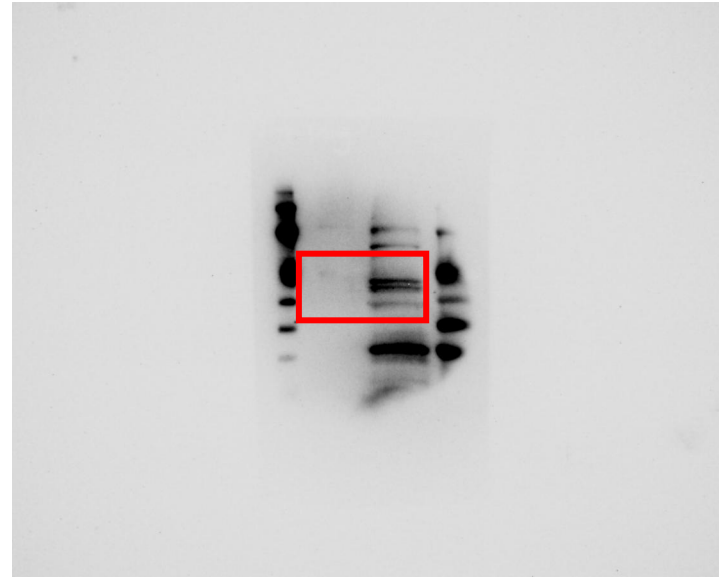
A549 Ub



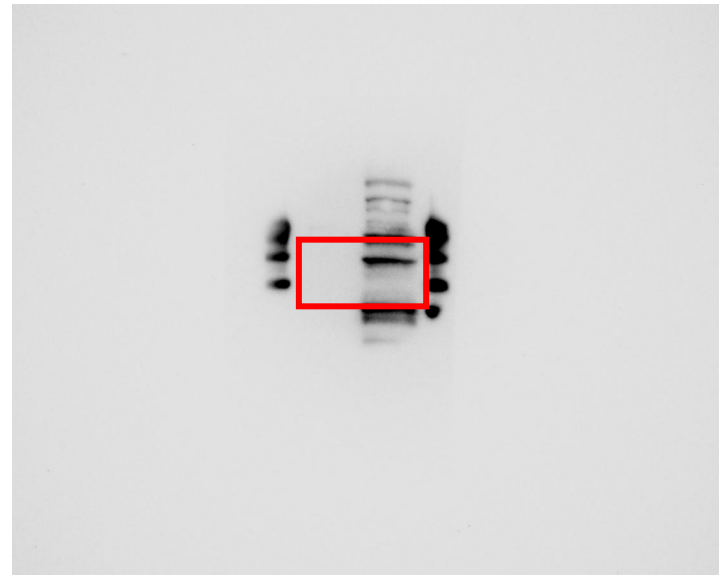
H1299 Ub



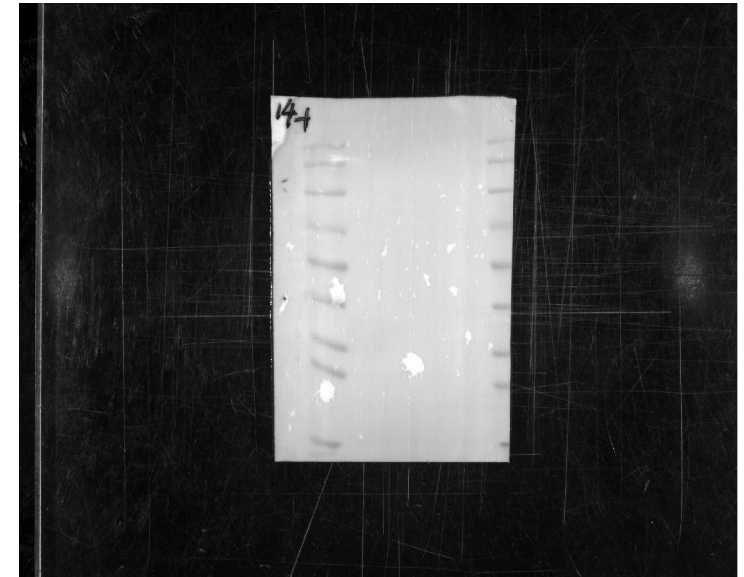
A549 zc-FLAG



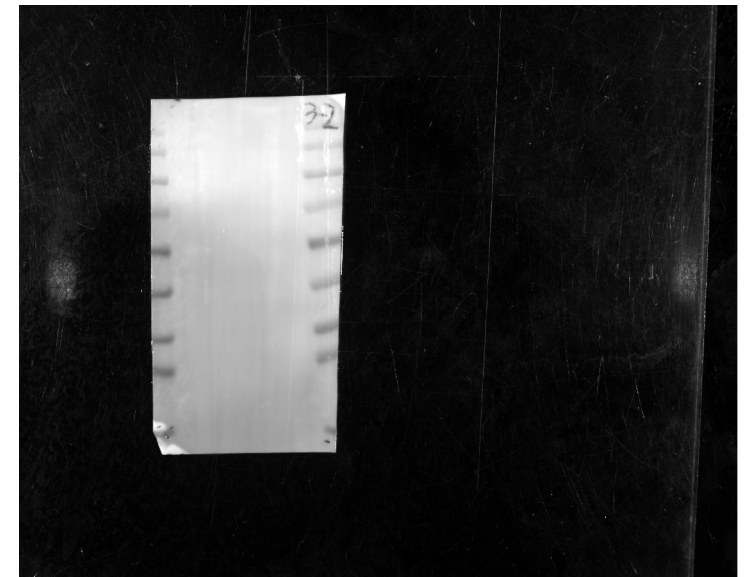
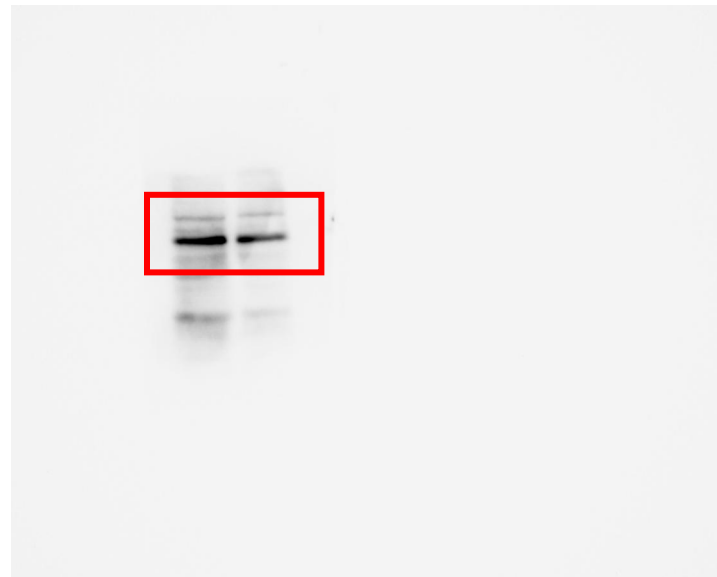
H1299 zc-FLAG



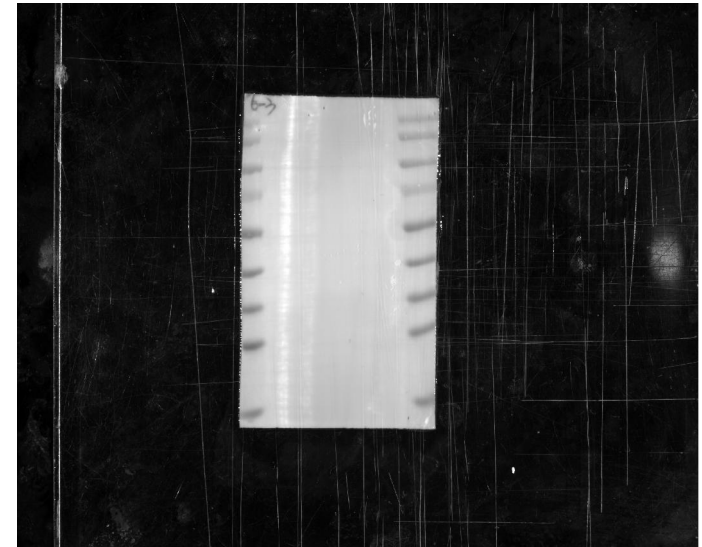
A549 PTEN



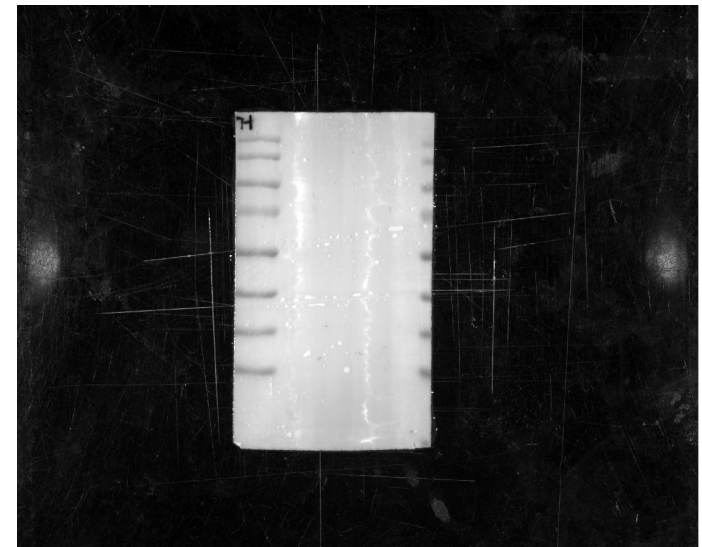
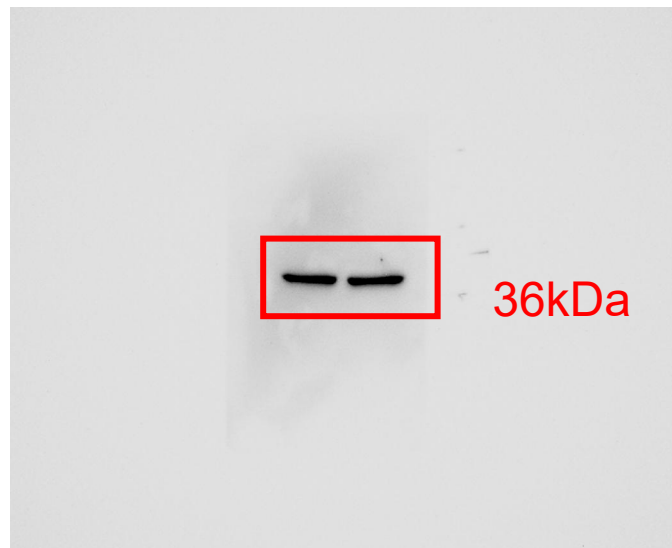
H1299 PTEN



A549 β -actin



H1299 β -actin



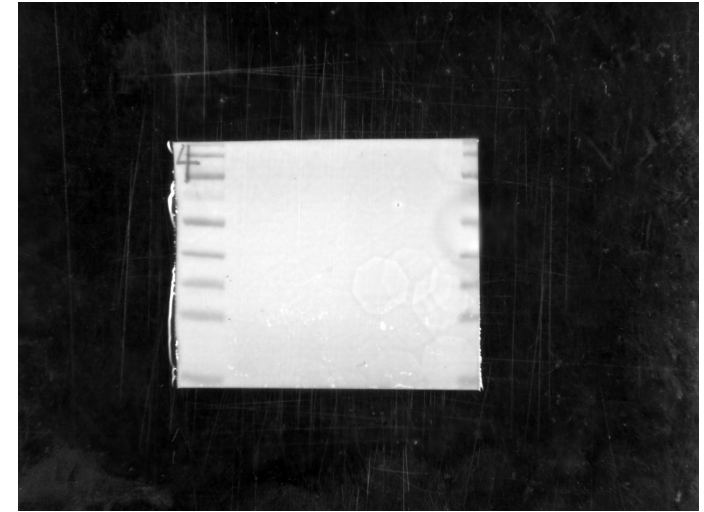
A549 K48 HA



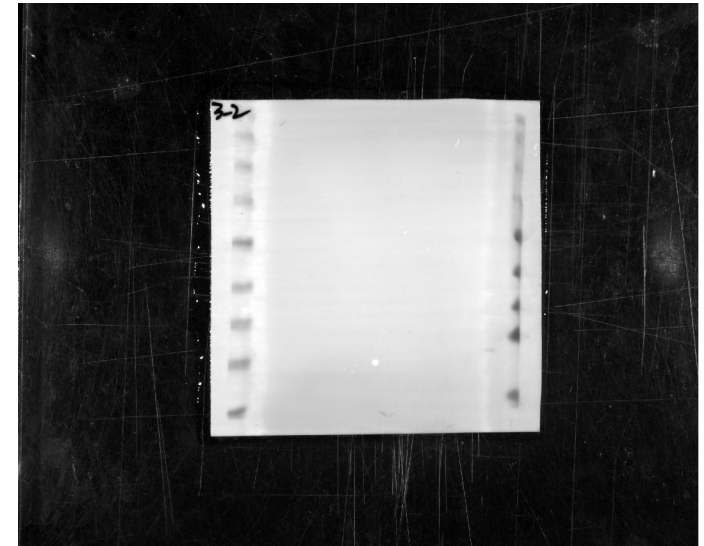
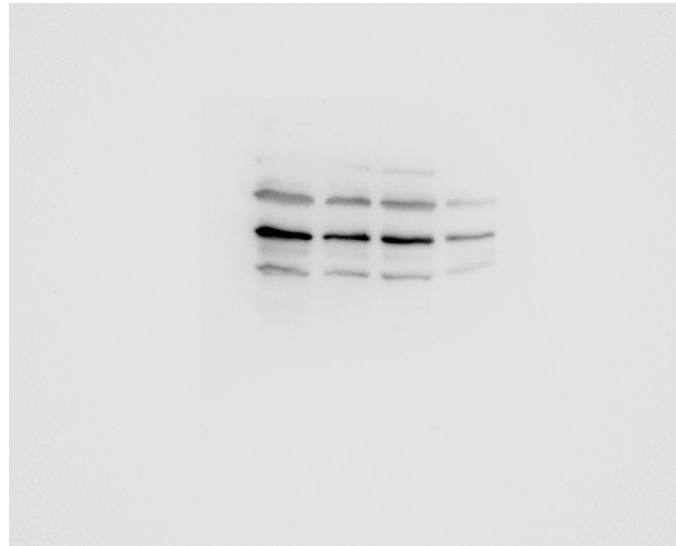
A549 K48 flag



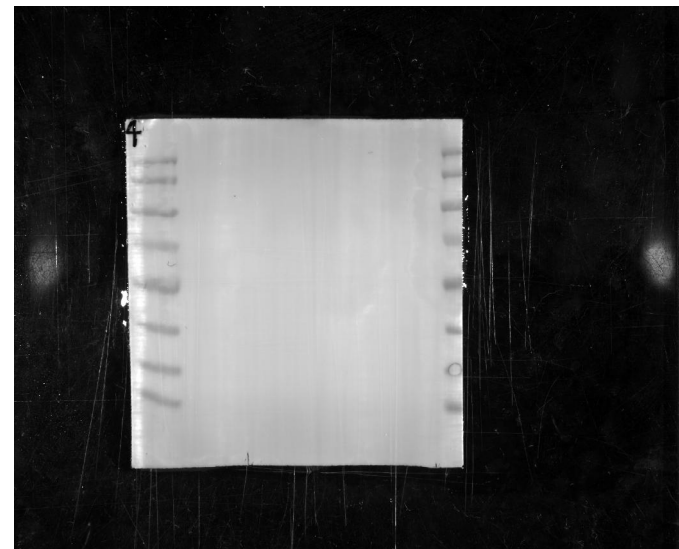
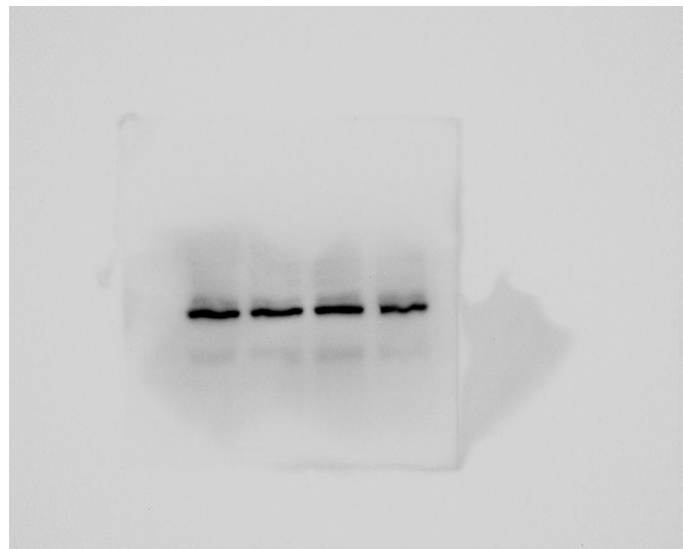
A549 K48 GFP



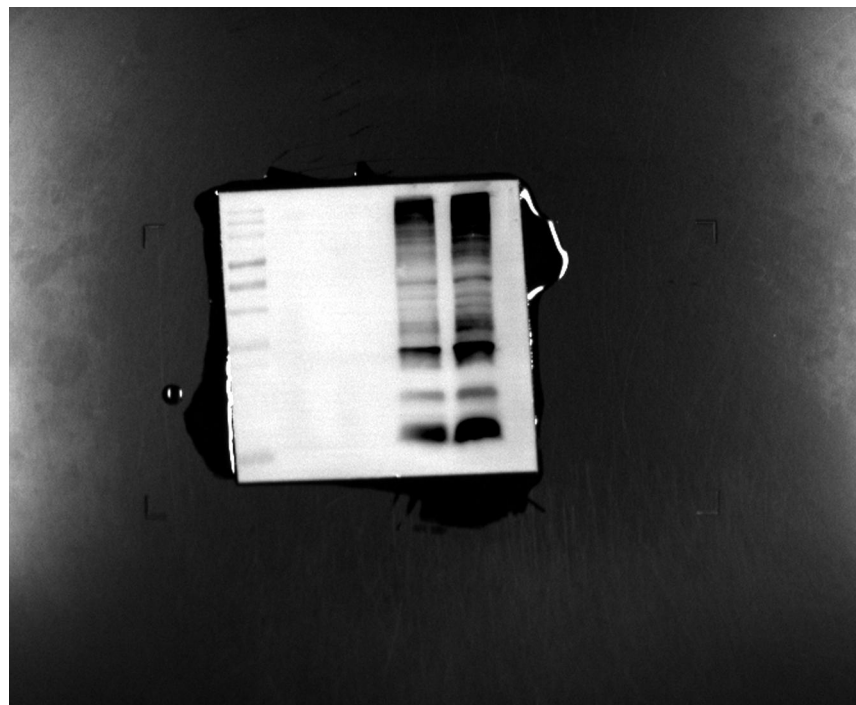
A549 K48
INPUT
GFP



A549 K48
INPUT
 β -actin



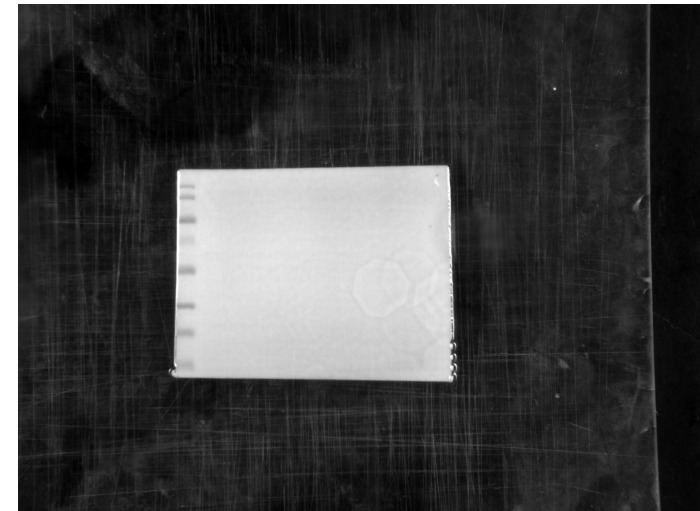
H1299 K48 HA



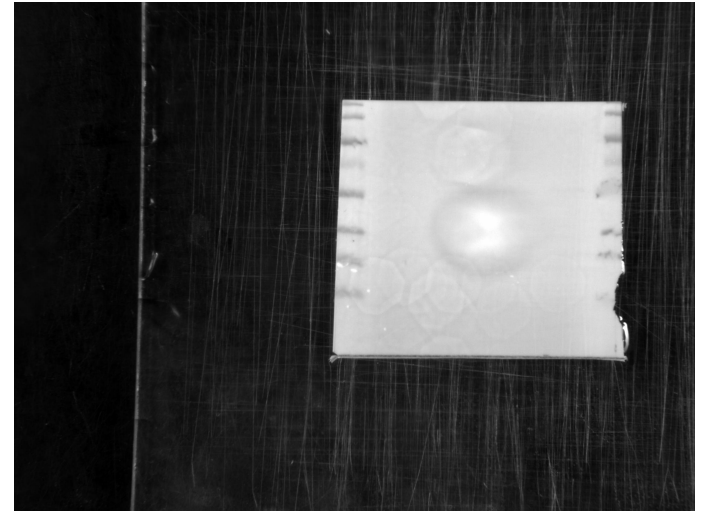
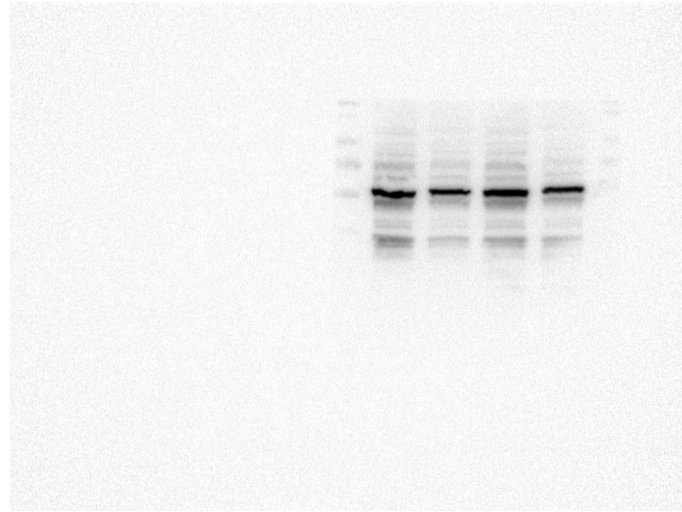
H1299 K48 flag



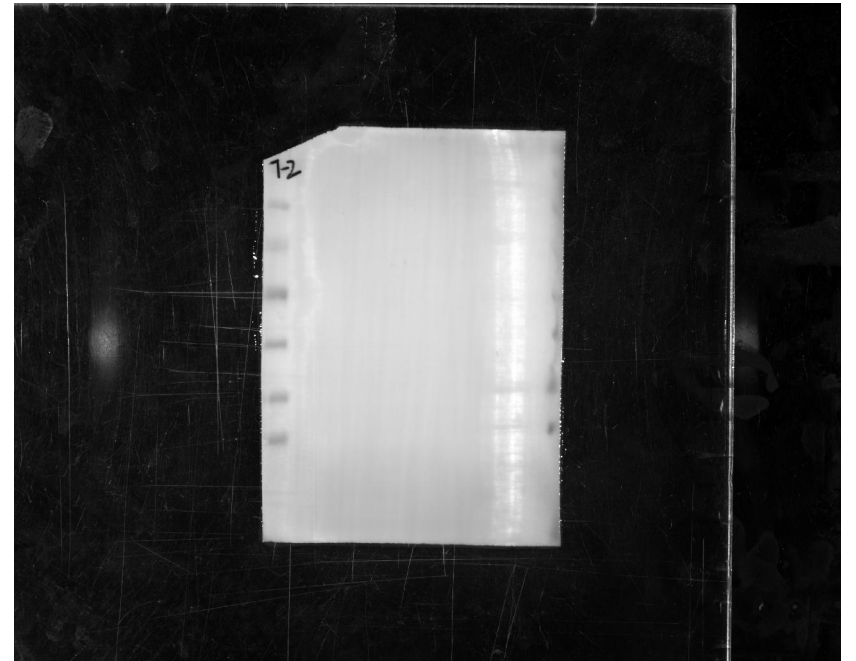
H1299 K48 GFP



H1299 K48
INPUT
GFP



H1299 K48
INPUT
 β -actin



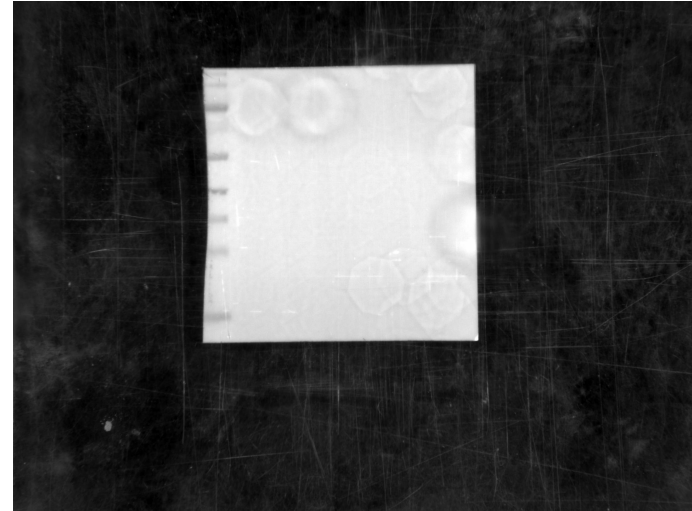
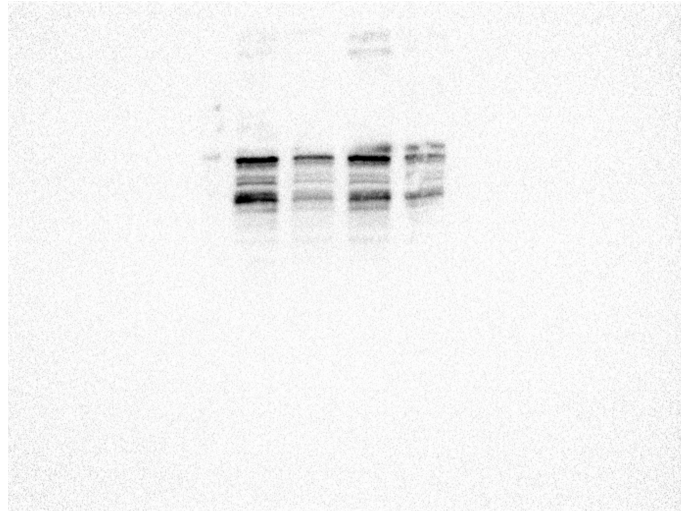
A549 K63 HA



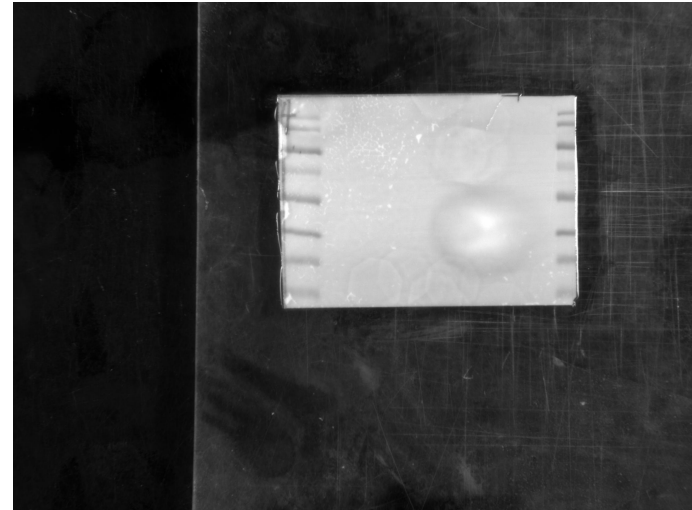
A549 K63 flag



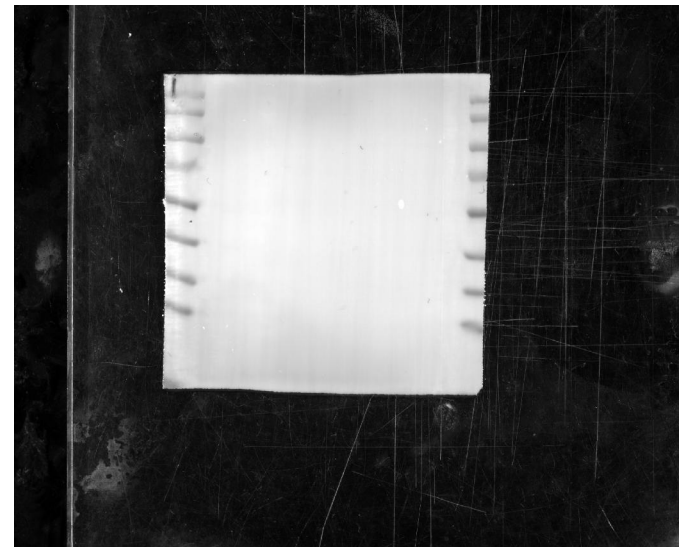
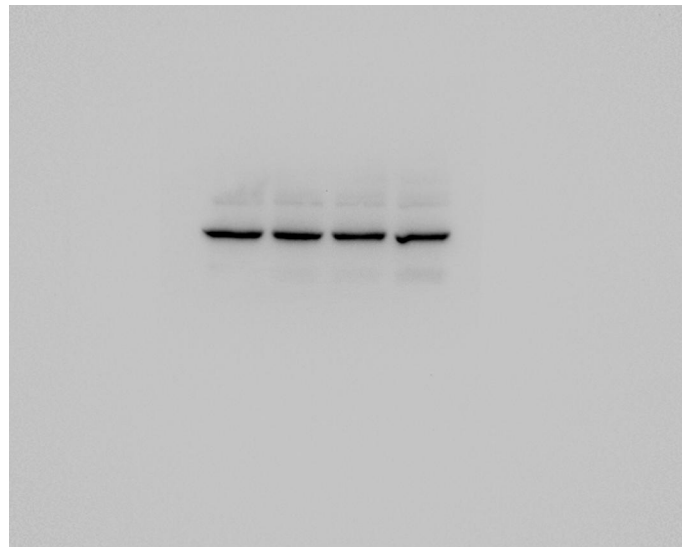
A549 K63 GFP



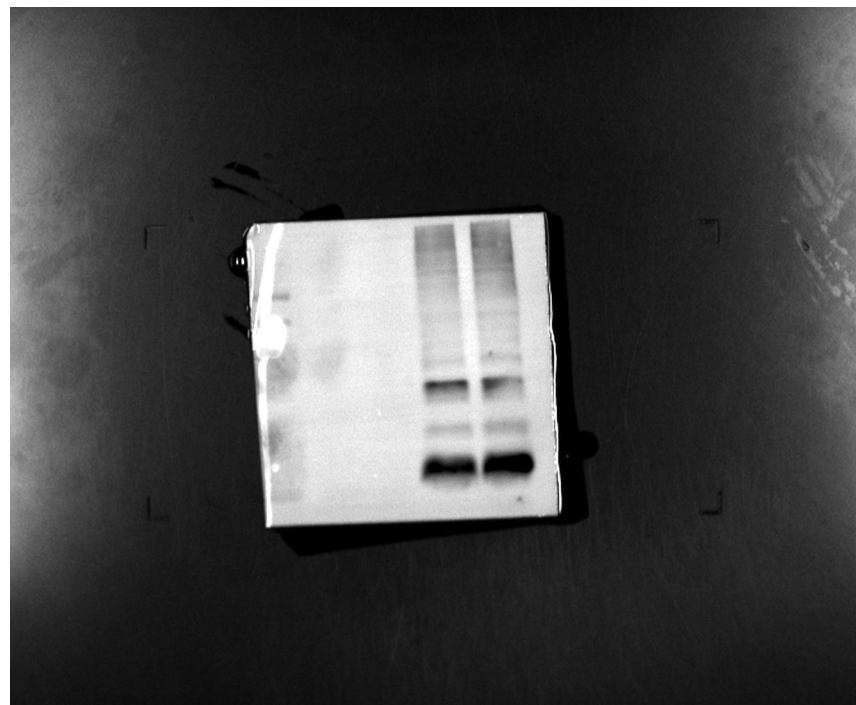
A549 K63
INPUT
GFP



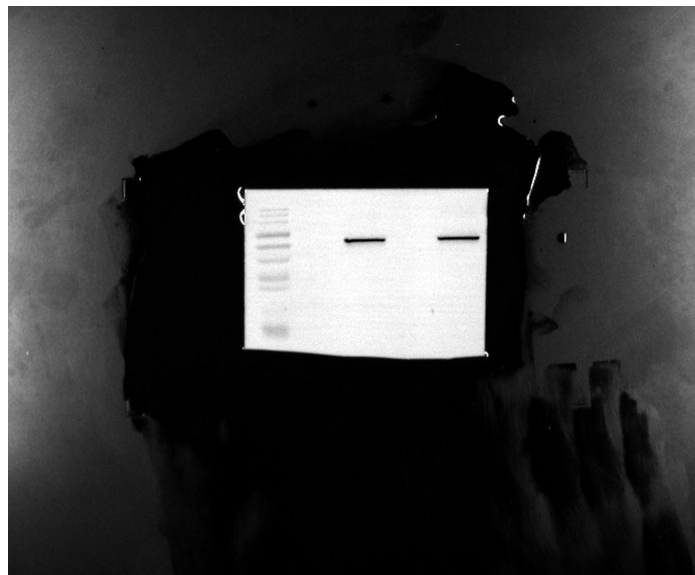
A549 K63
INPUT
 β -actin



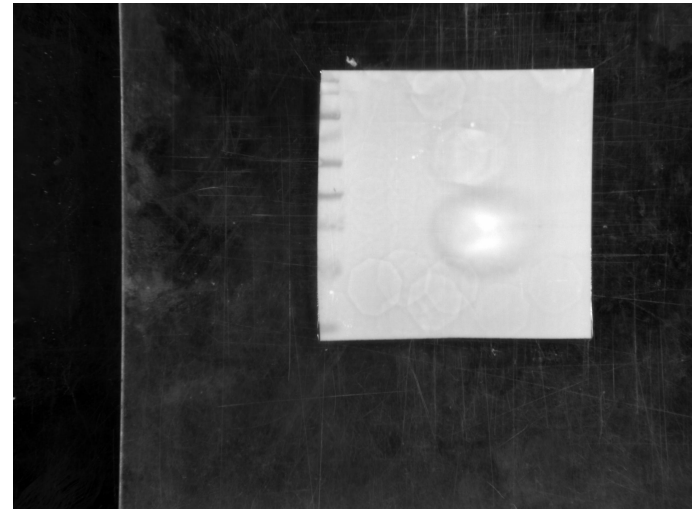
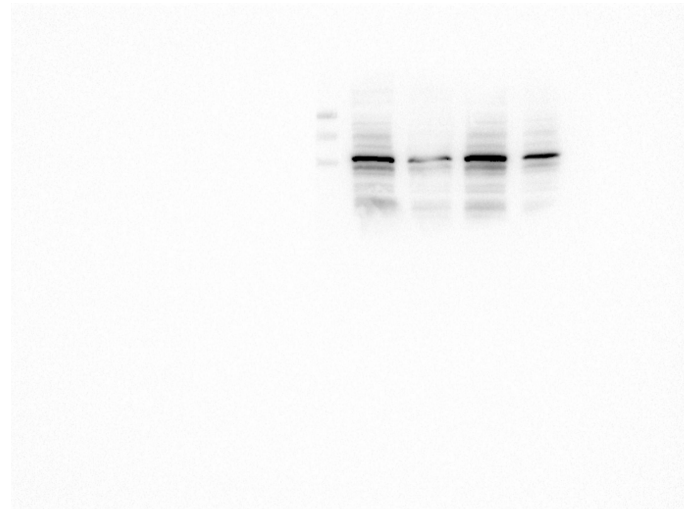
H1299 K63 HA



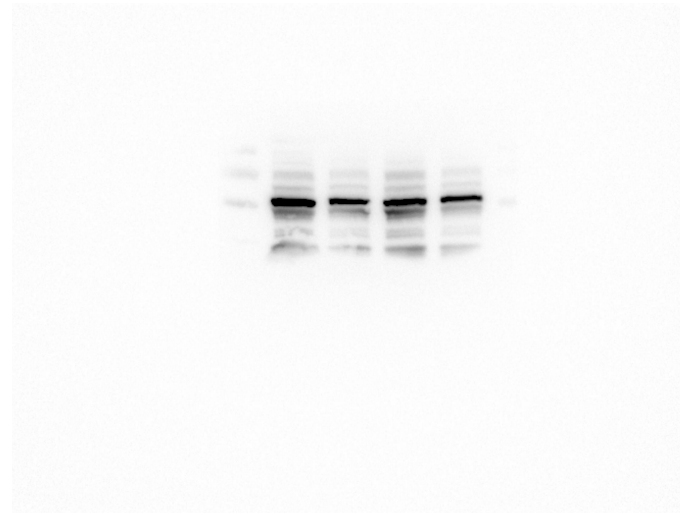
H1299 K63 flag



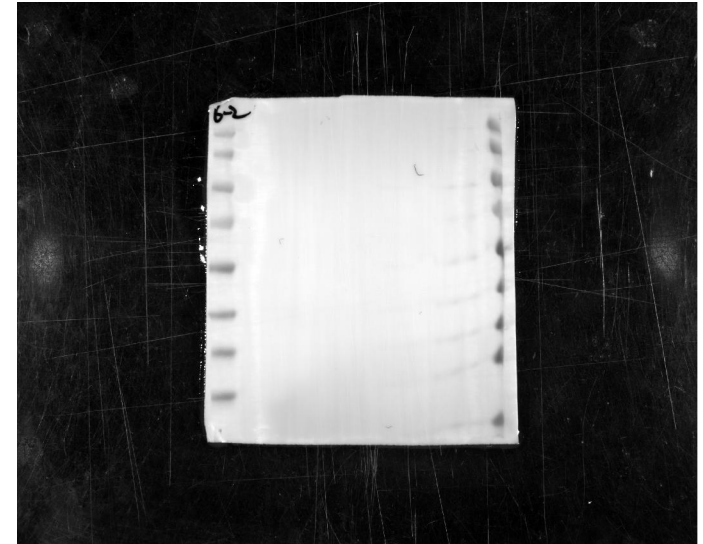
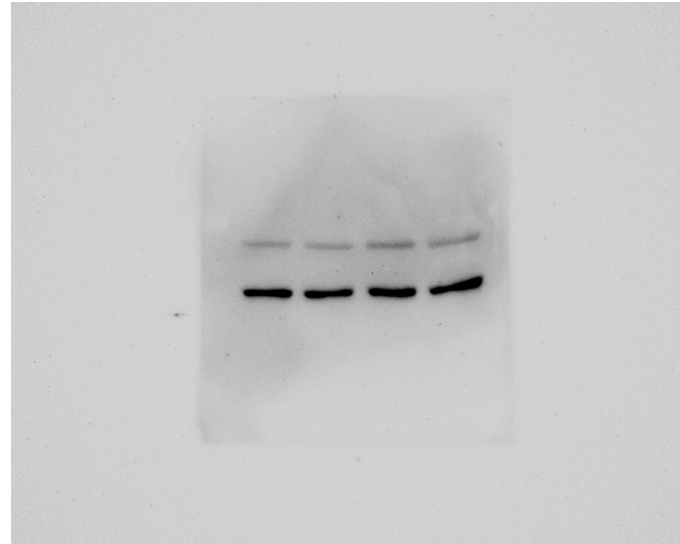
H1299 K63 GFP



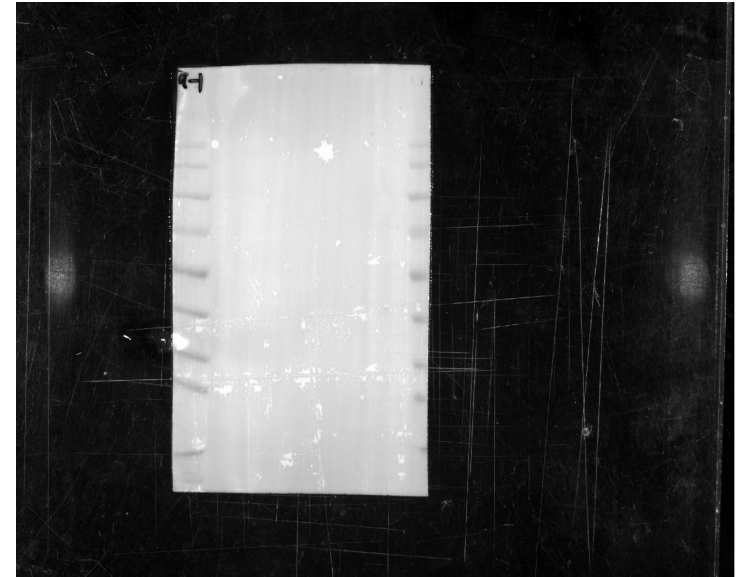
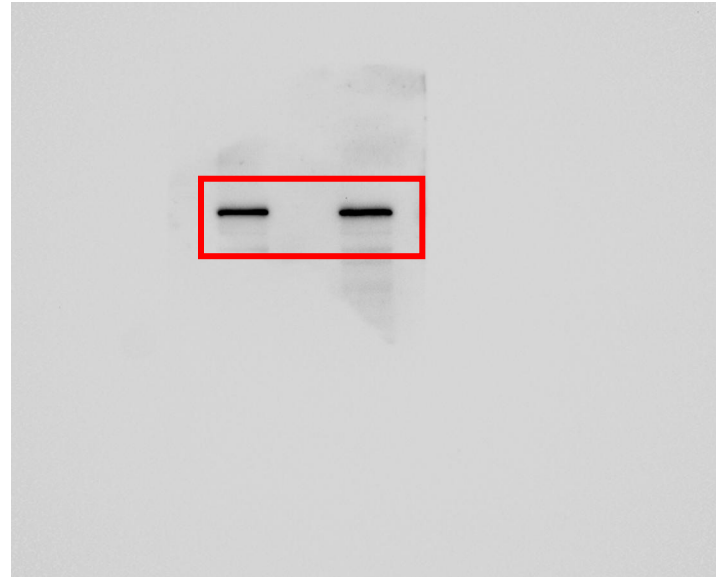
H1299 K63
INPUT
GFP



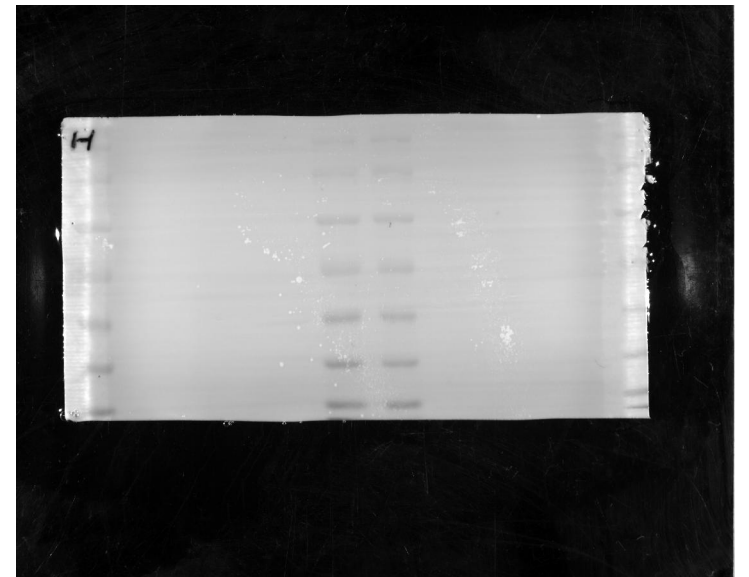
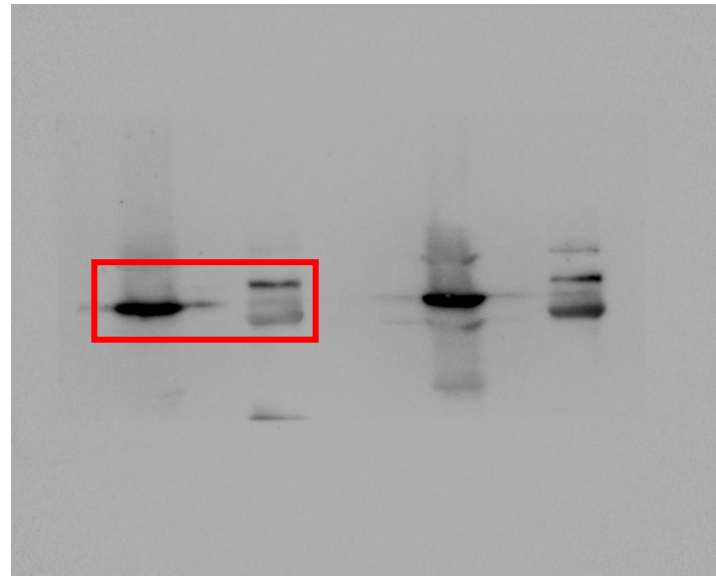
H1299 K63
INPUT
 β -actin



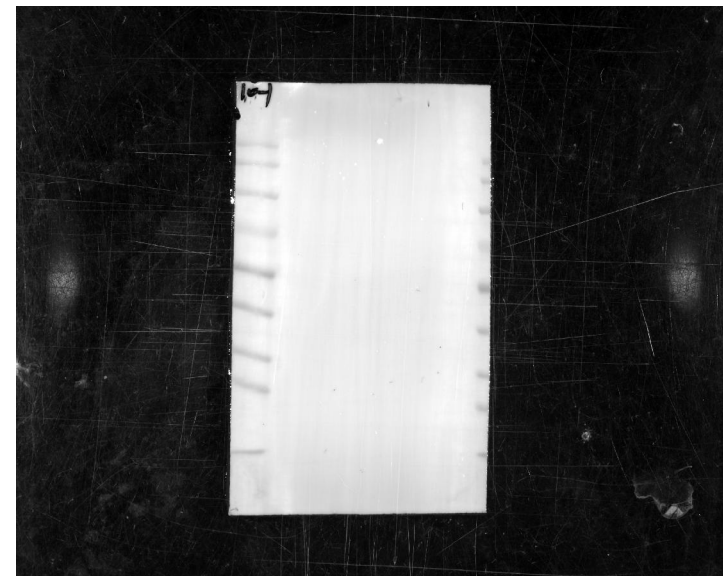
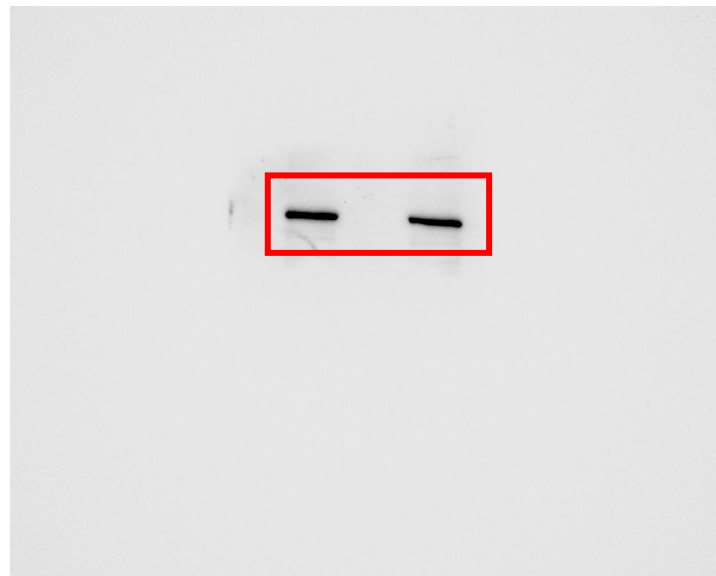
A549
IB:TRIM56



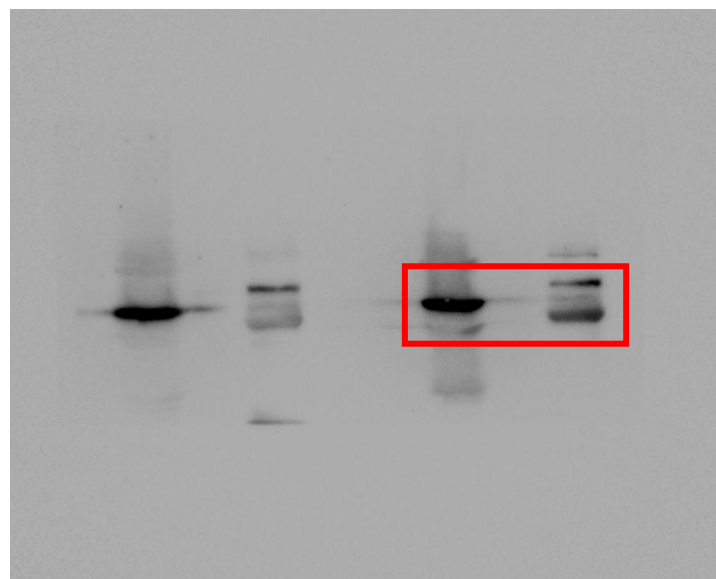
A549 IP:Flag



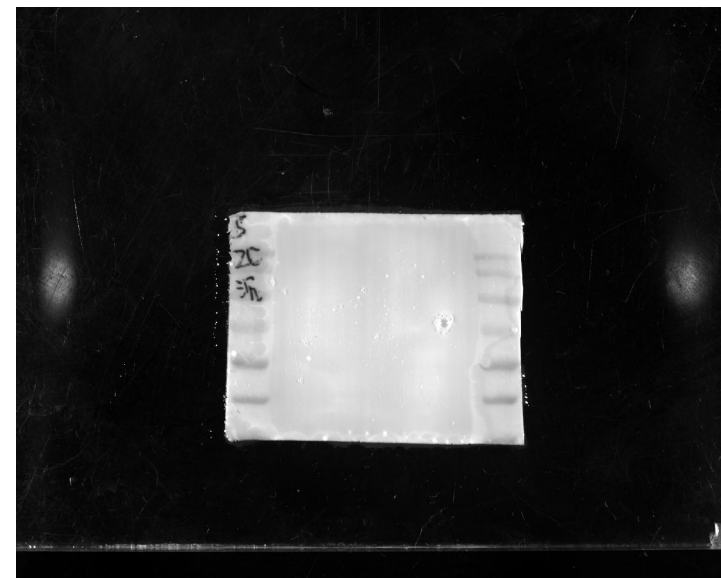
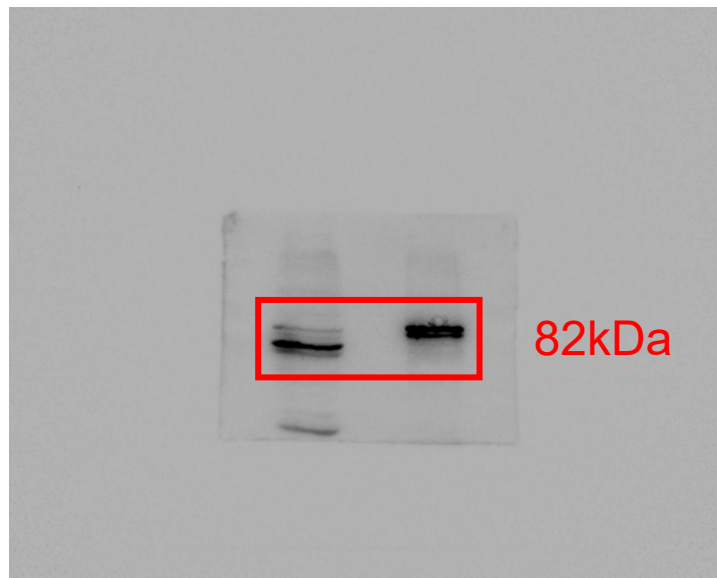
H1299
IB:TRIM56



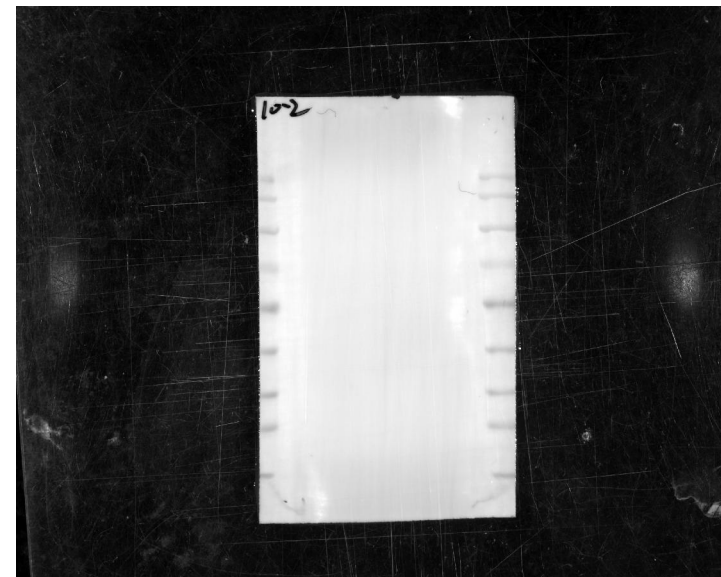
H1299
IP:Flag



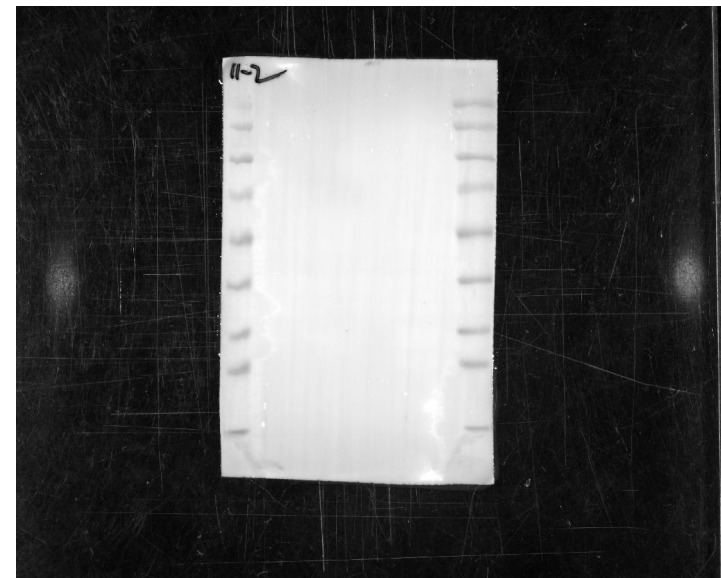
A549
IP:GFP-PTEN



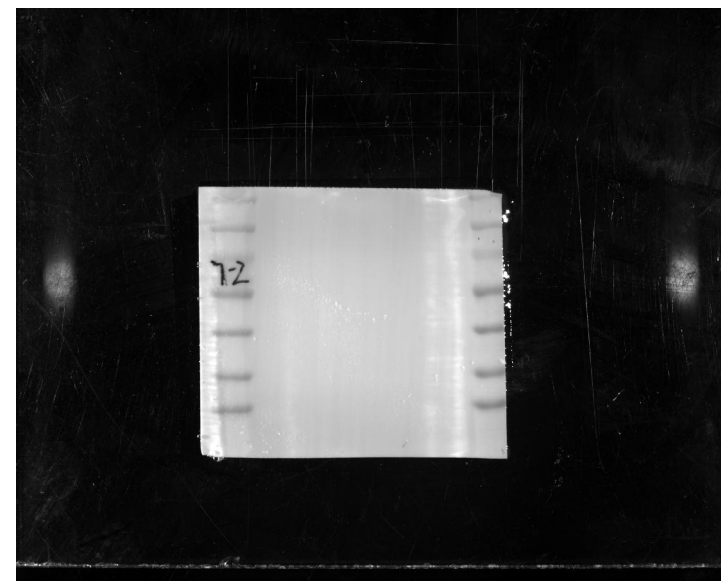
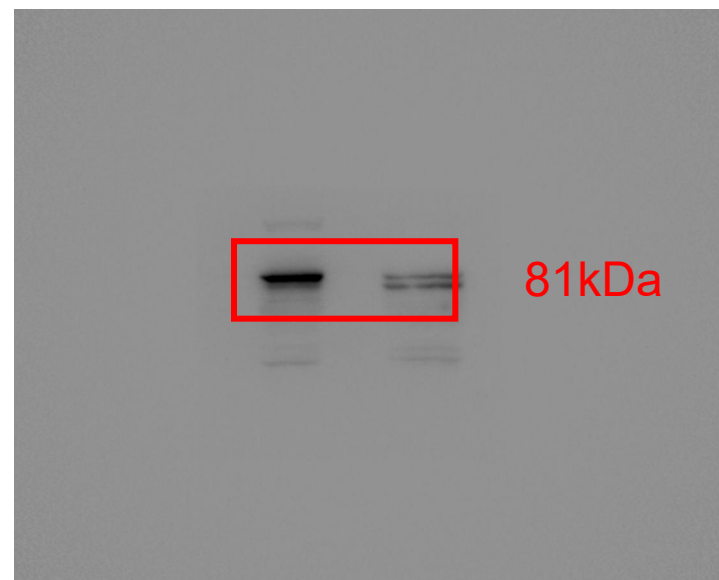
A549
IB:TRIM56



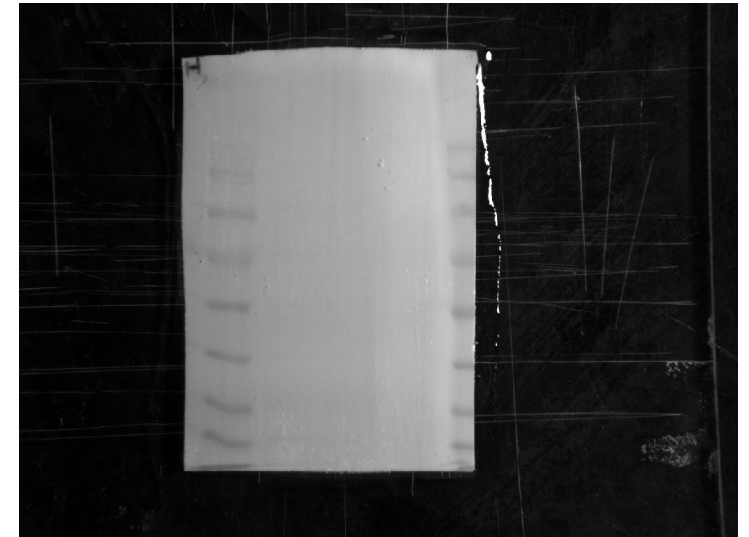
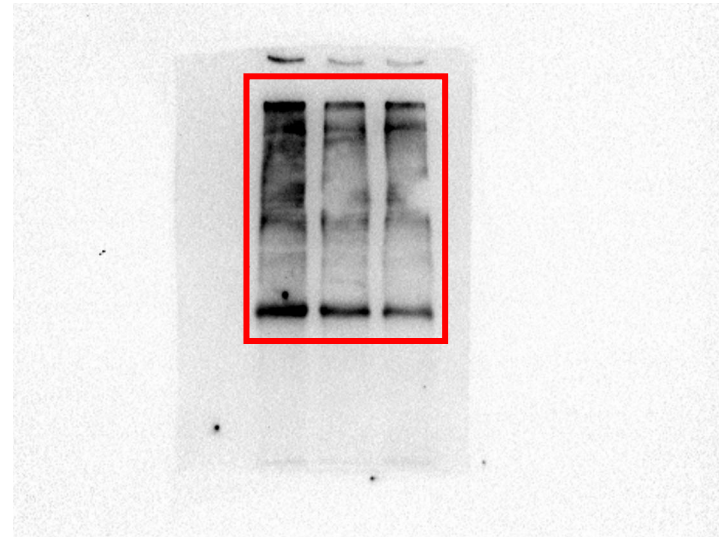
H1299
IP:GFP-PTEN



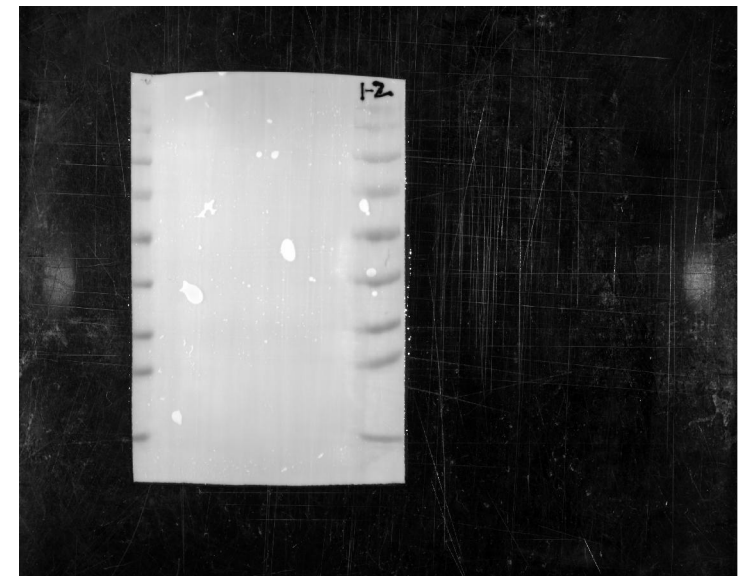
H1299
IB:TRIM56



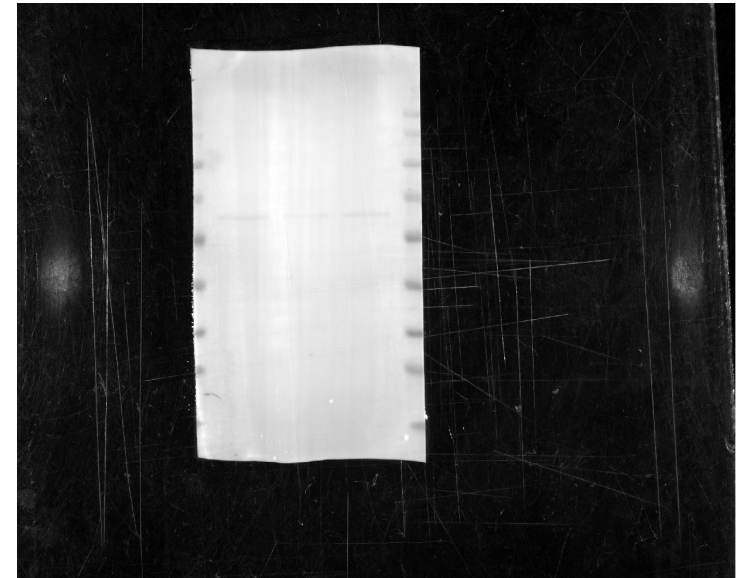
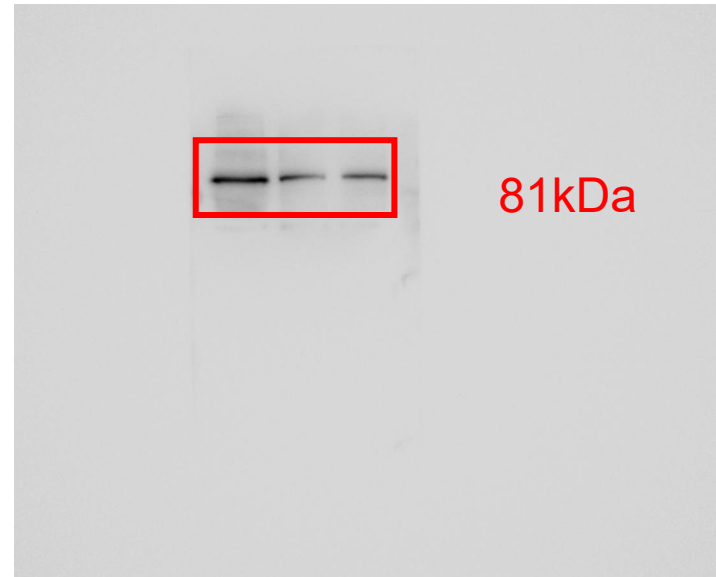
A549 Ub



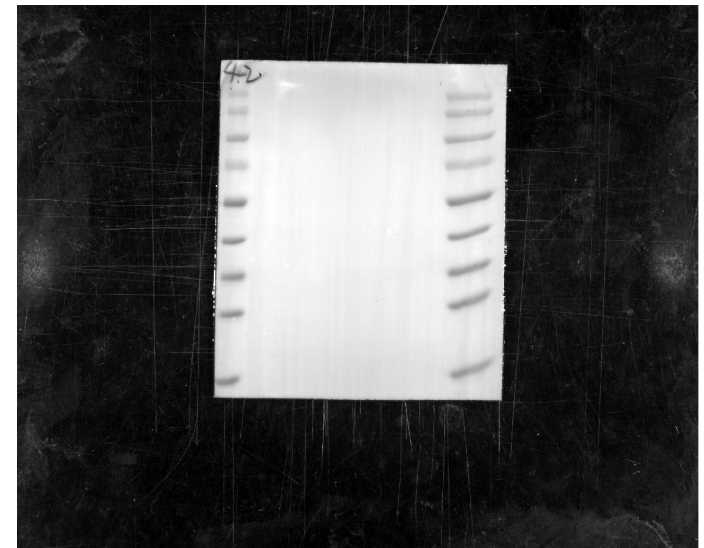
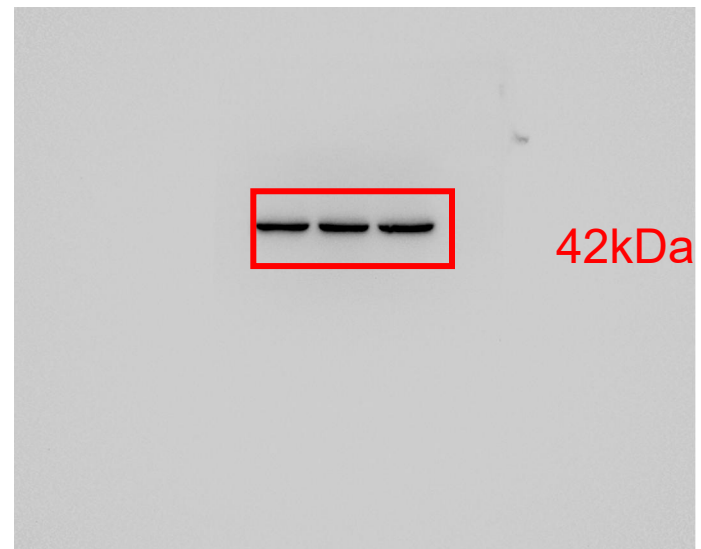
A549 PTEN



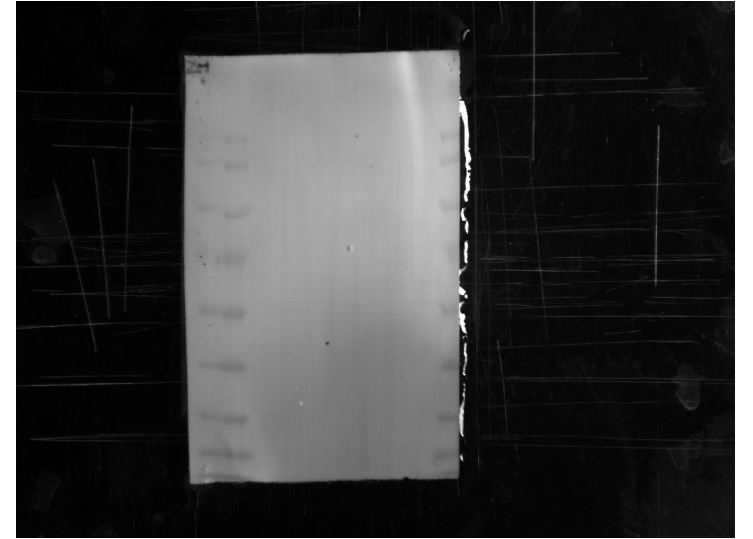
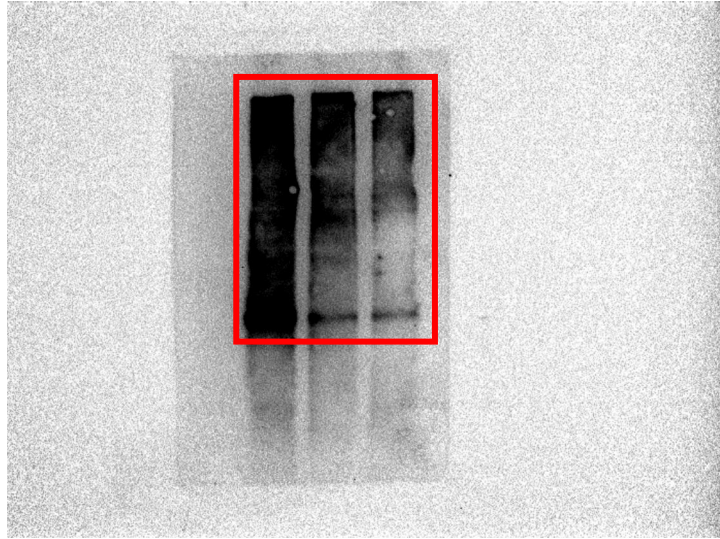
A549 TRIM56



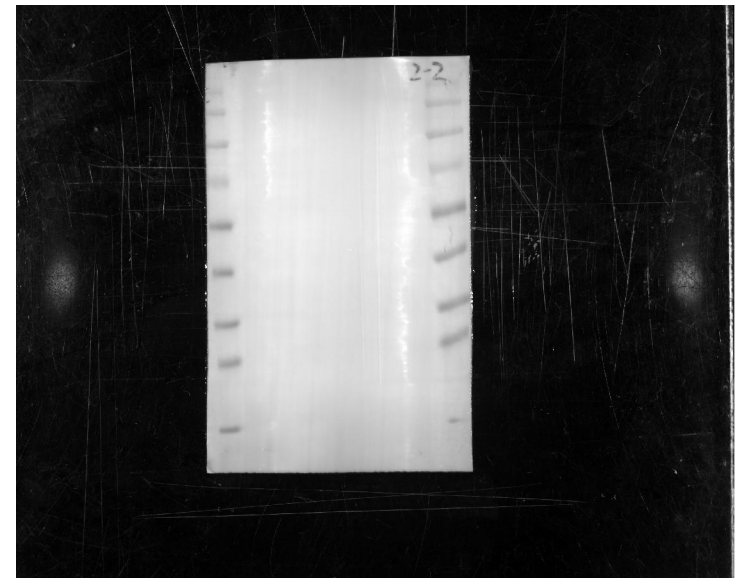
A549 β -actin



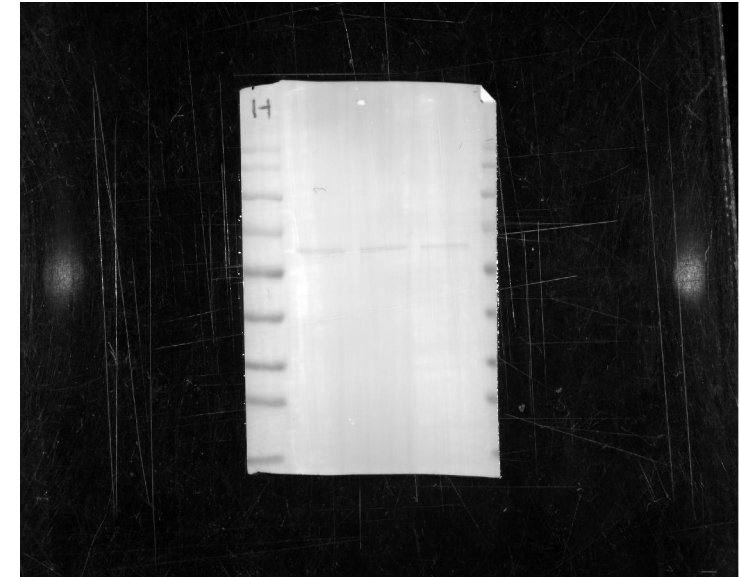
H1299 Ub



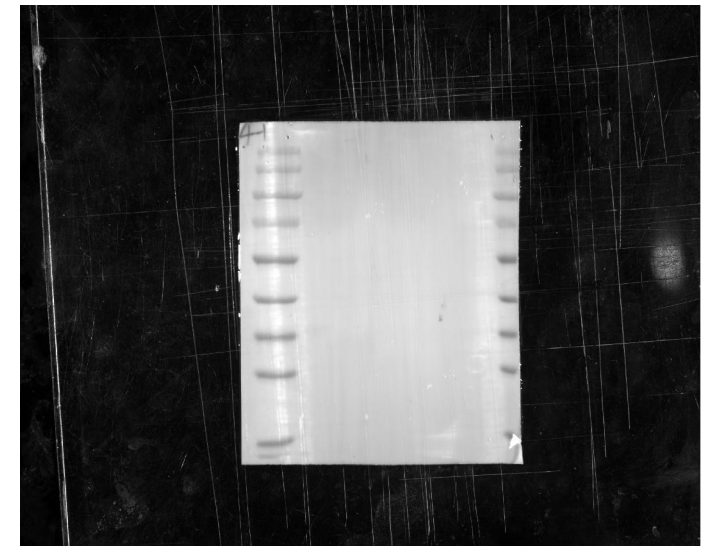
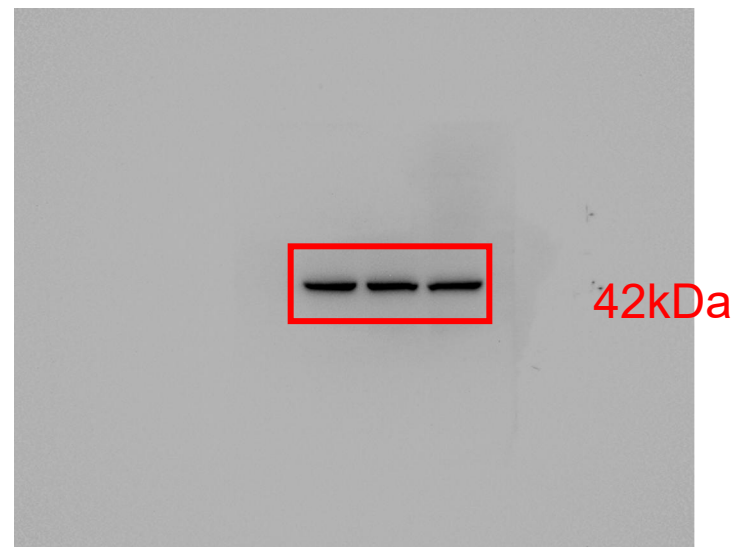
H1299 PTEN



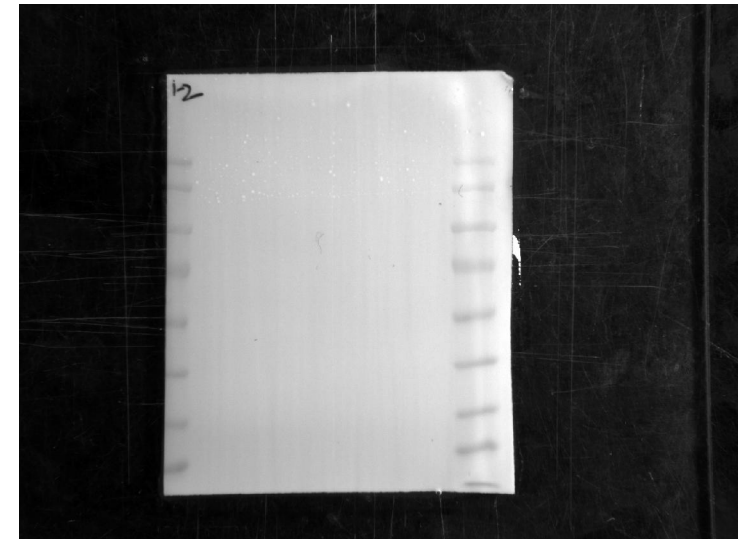
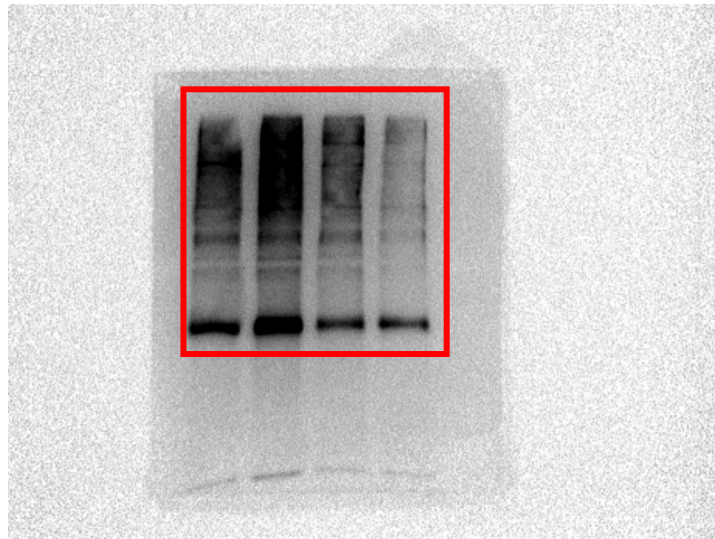
H1299 TRIM56



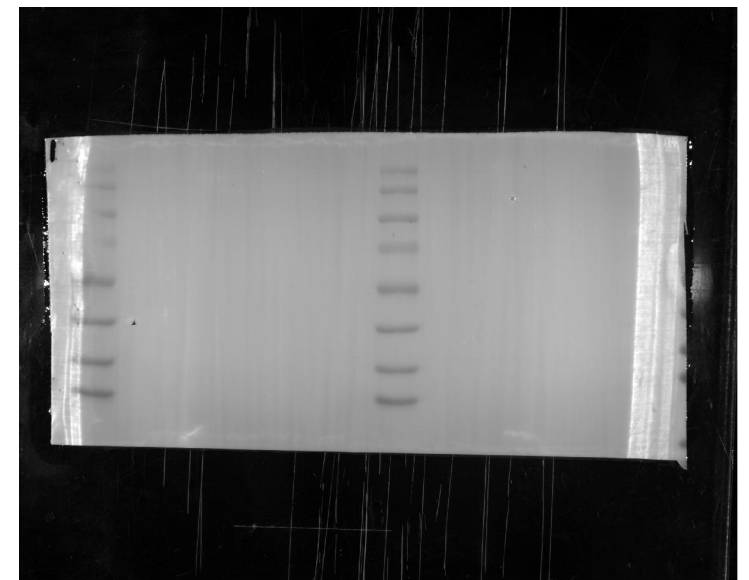
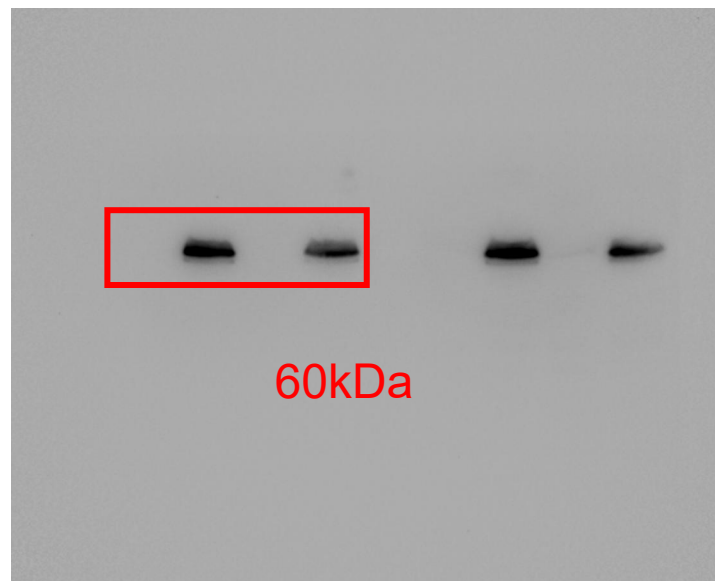
H1299 β -actin



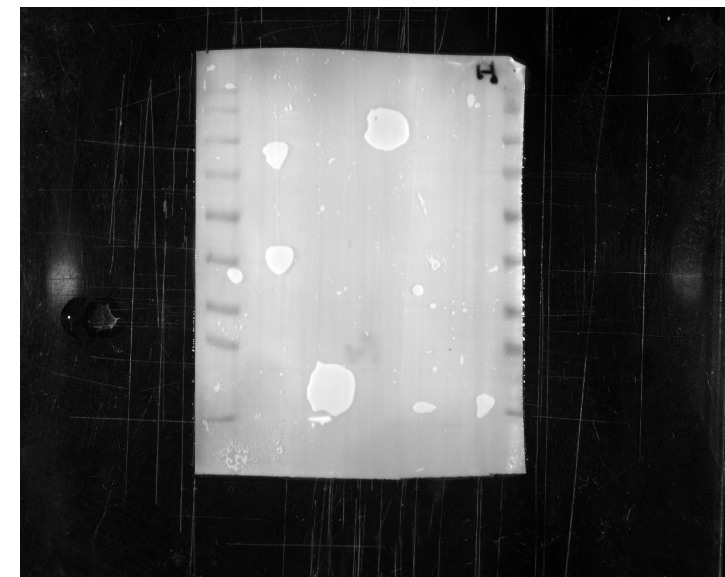
A549 Ub



A549 ZC-FLAG



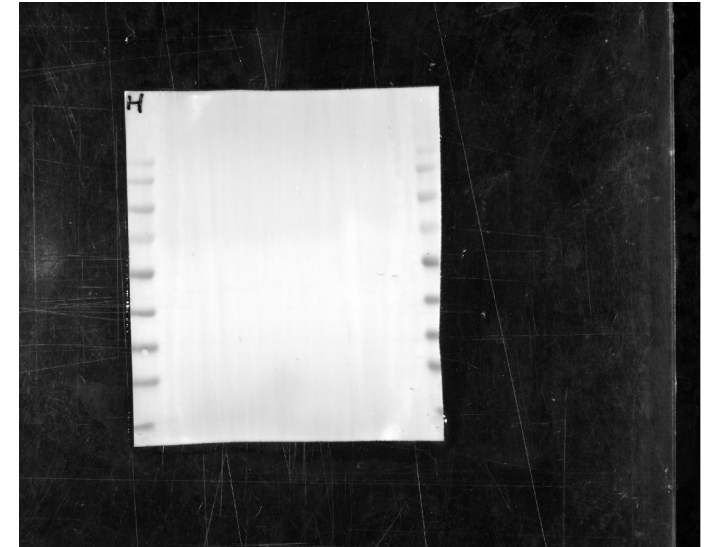
A549 PTEN



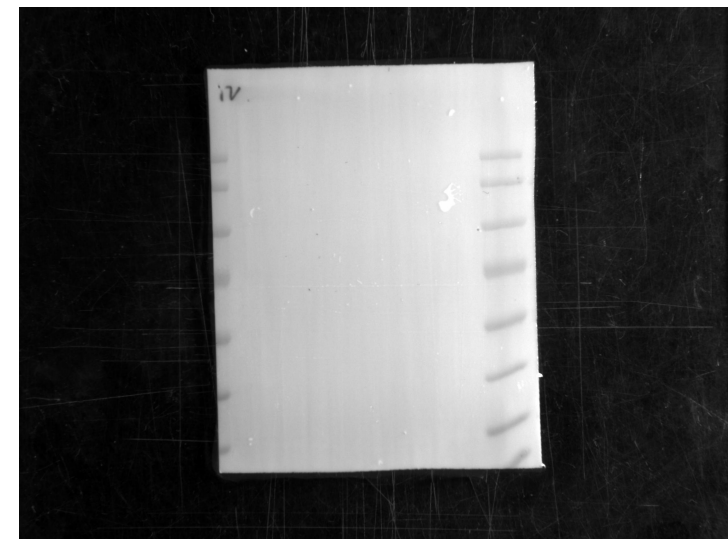
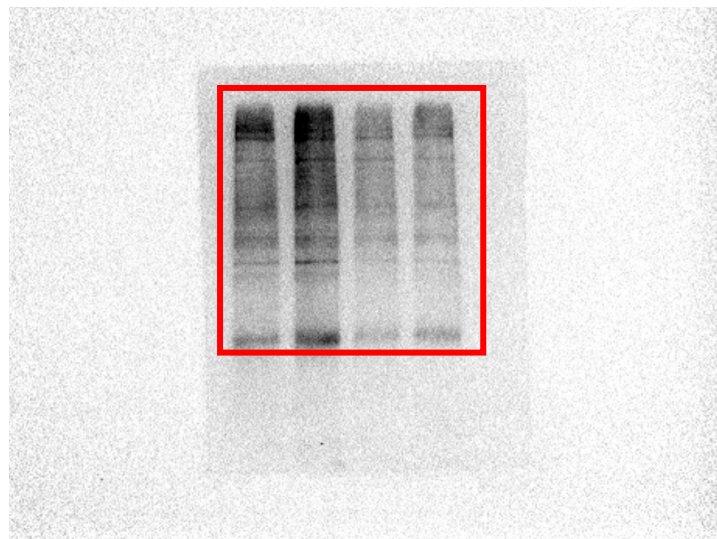
A549 TRIM56



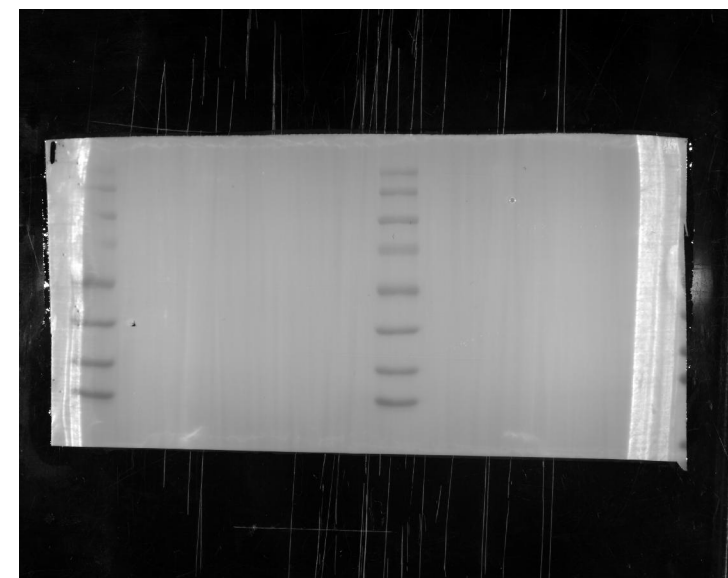
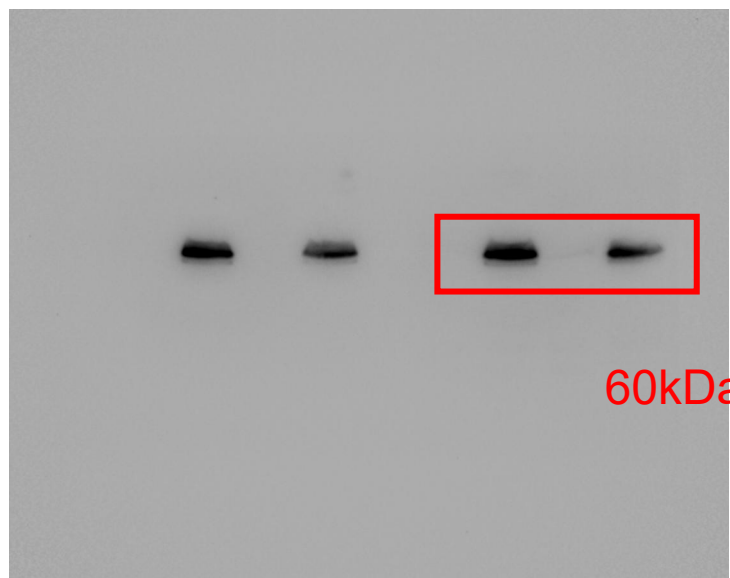
A549 β -actin



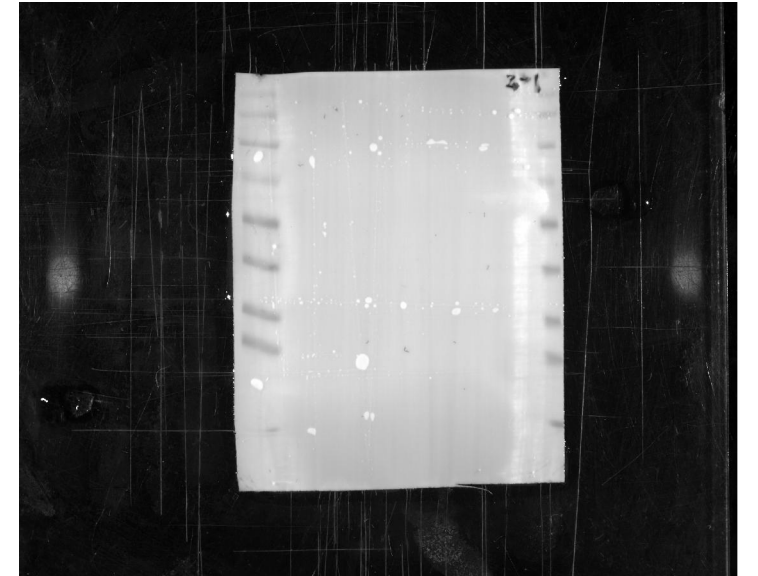
H1299 Ub



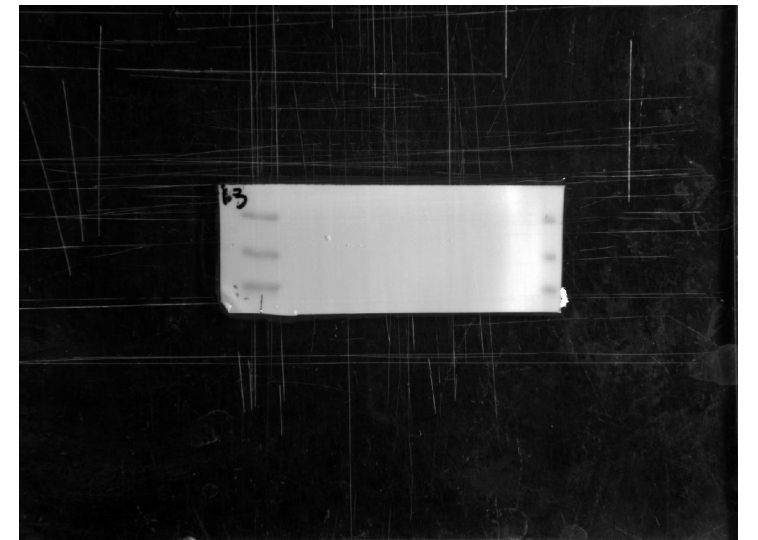
H1299
ZC-FLAG



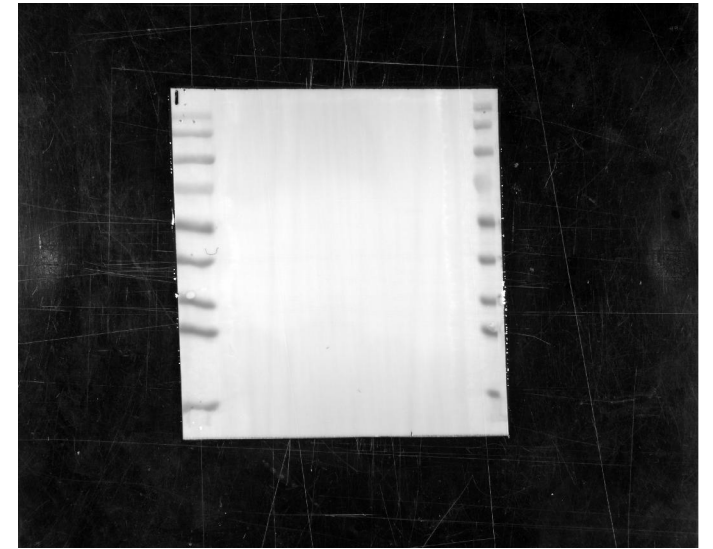
H1299 PTEN



H1299 trim56

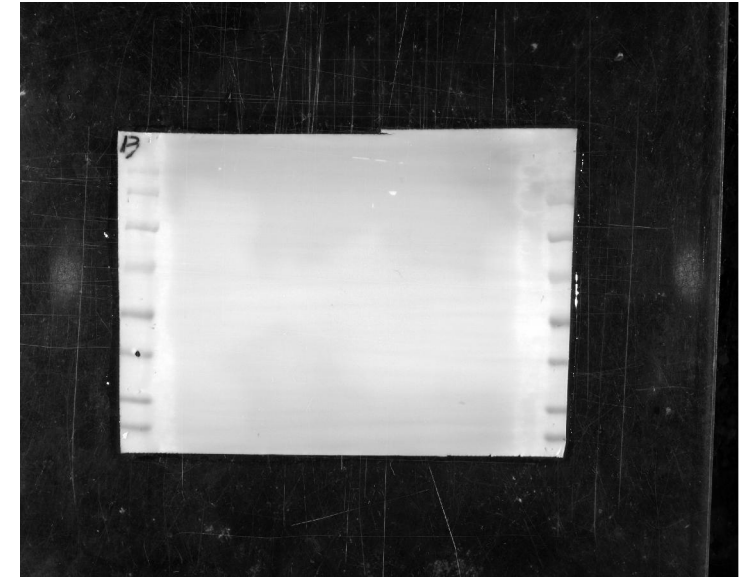
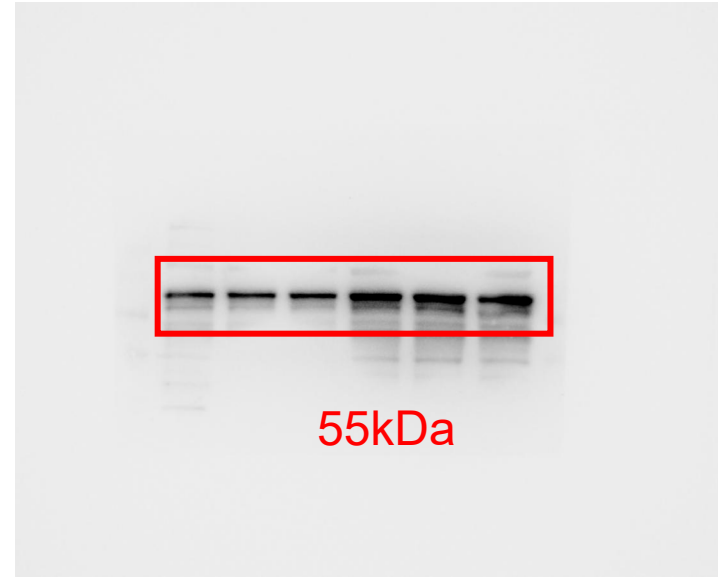


H1299 β -actin

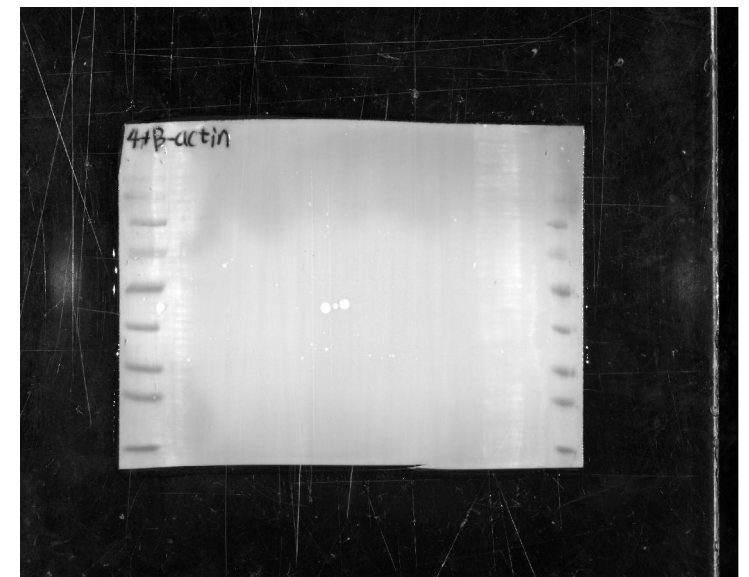


S-FIG 9

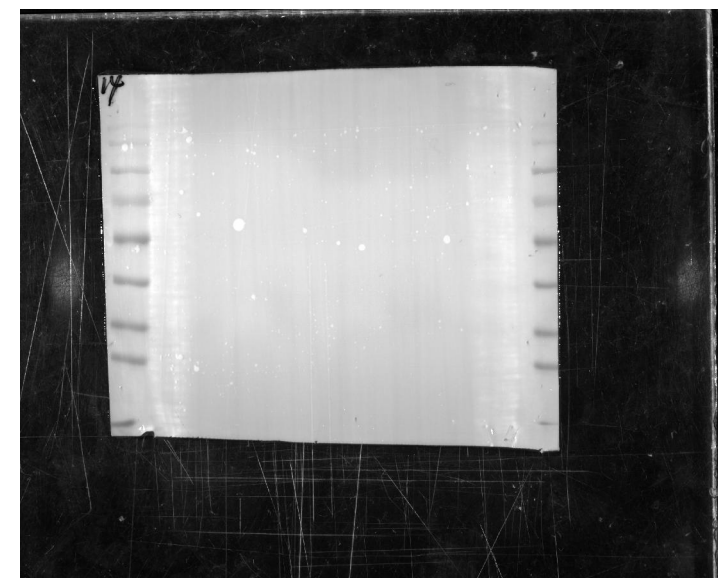
A549 ZC3H15



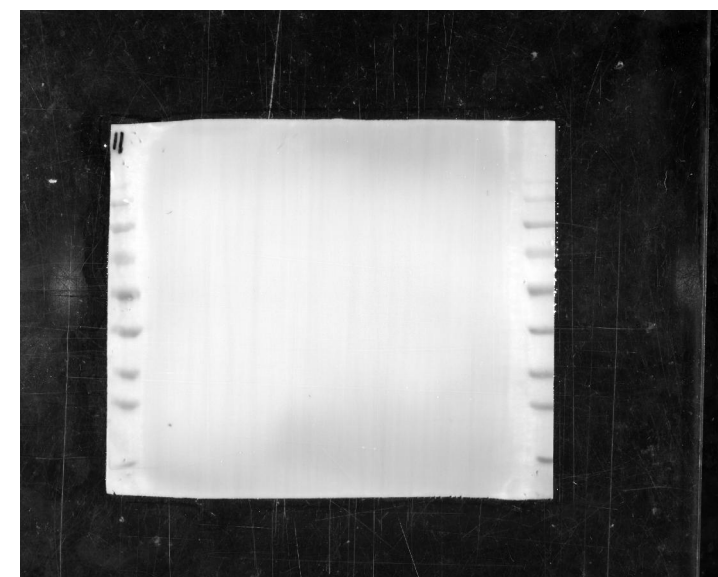
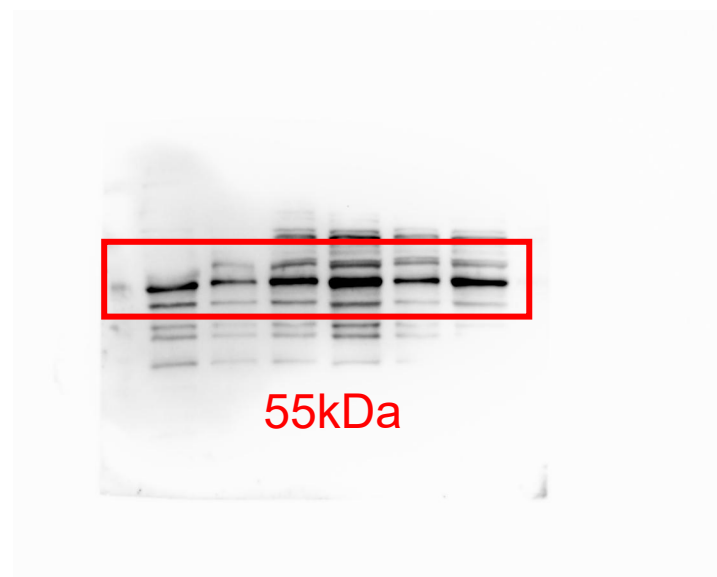
A549 ZC3H15



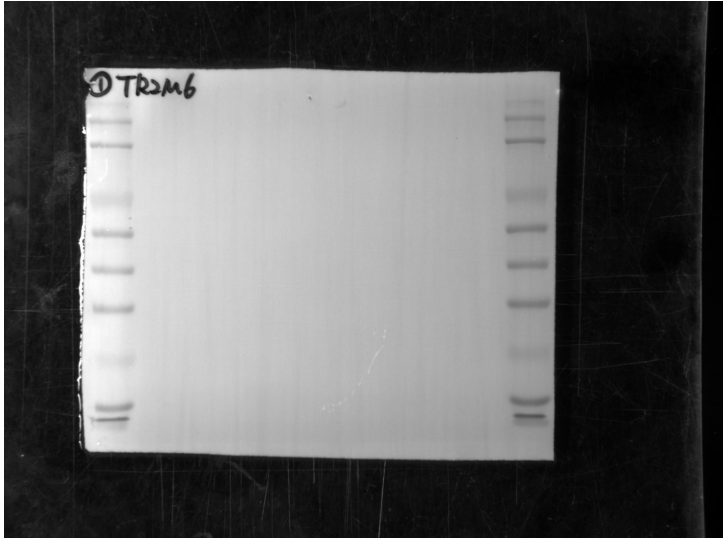
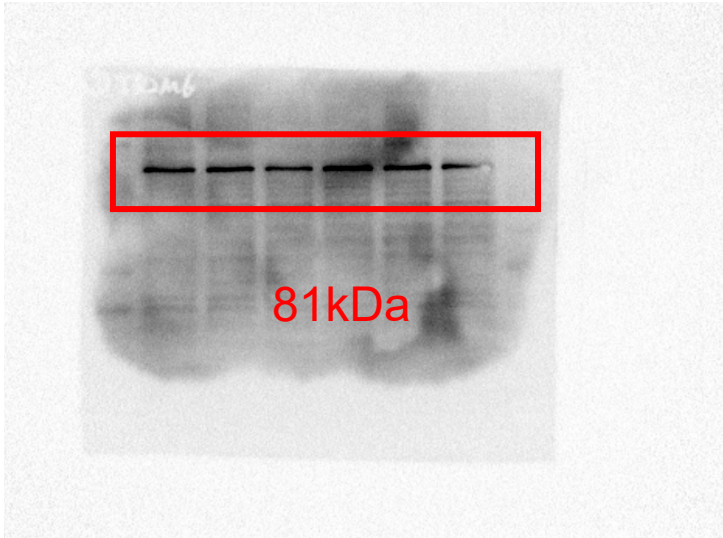
A549 ZC3H15



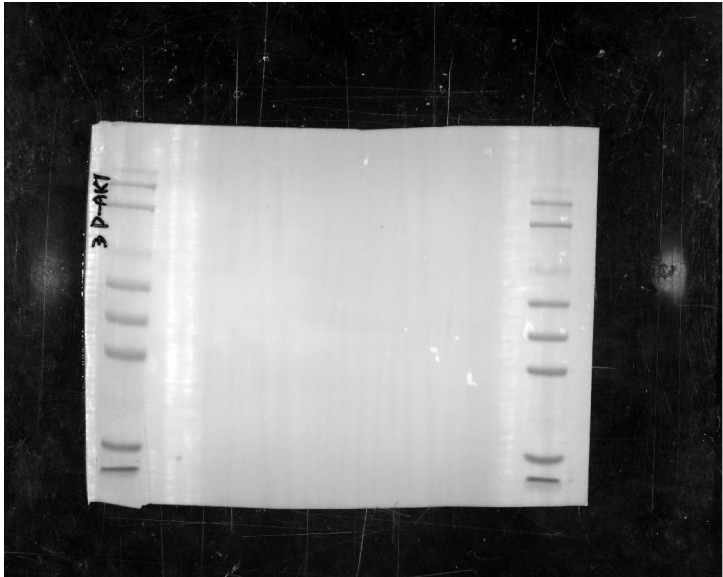
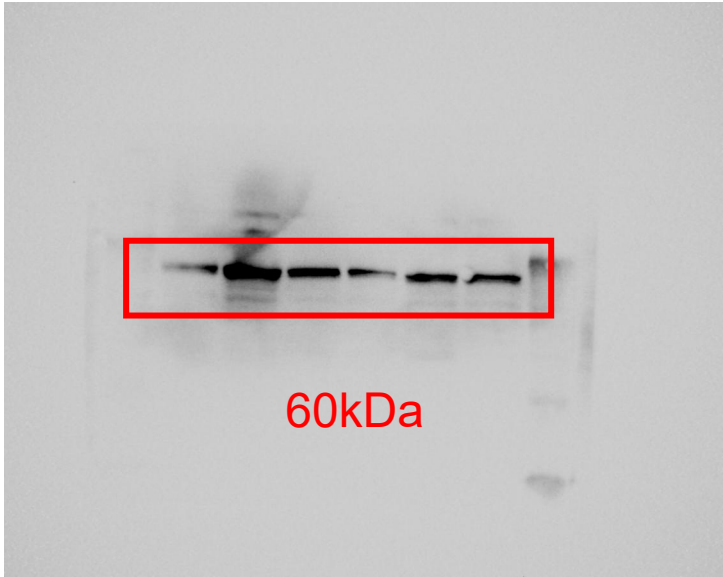
A549 ZC3H15



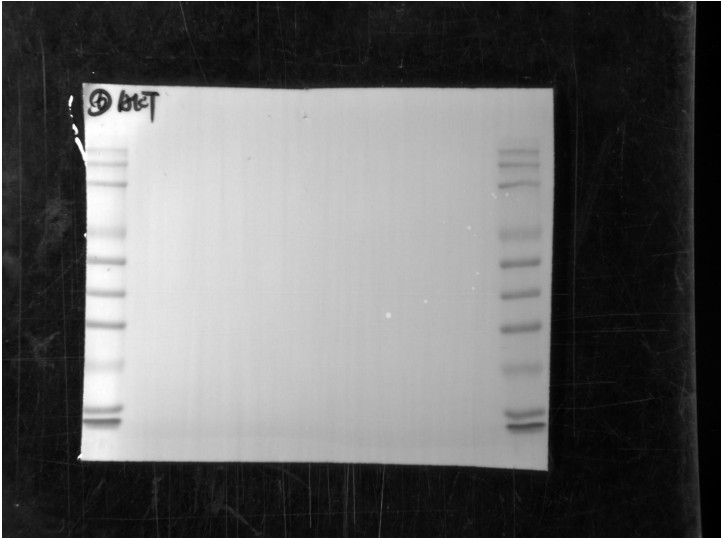
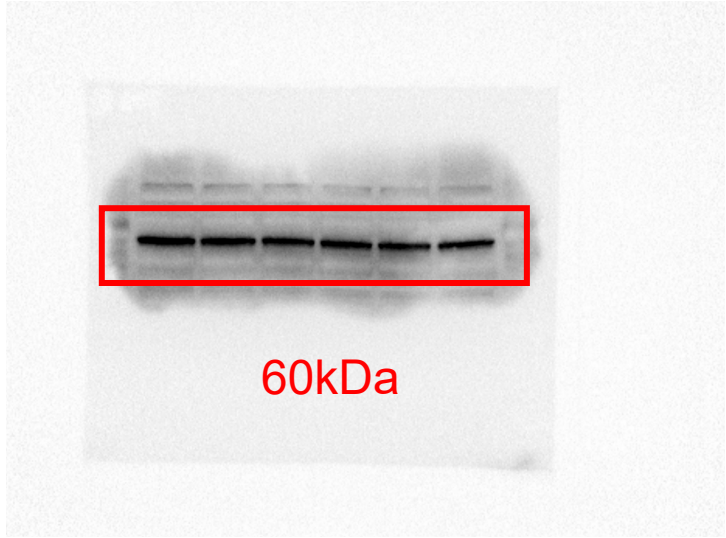
A549 TRIM56



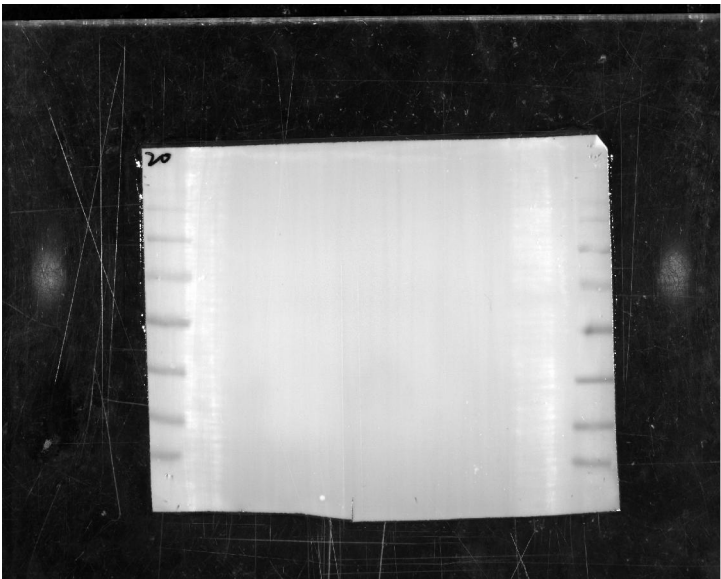
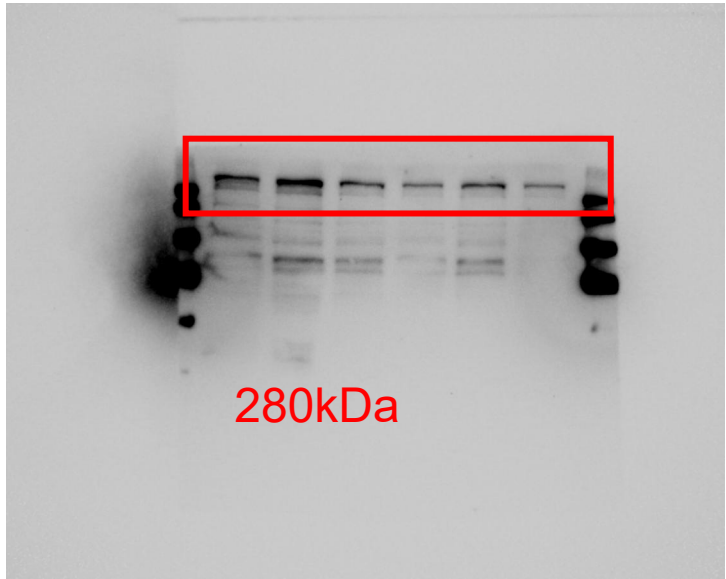
A549 P-AKT



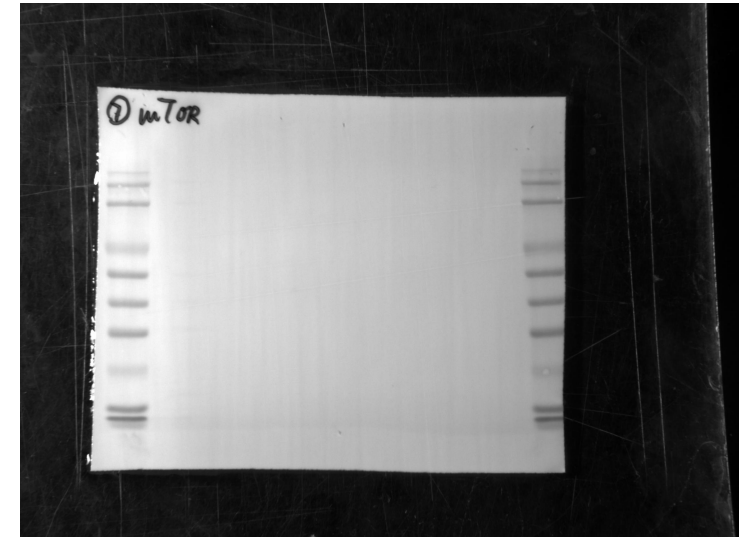
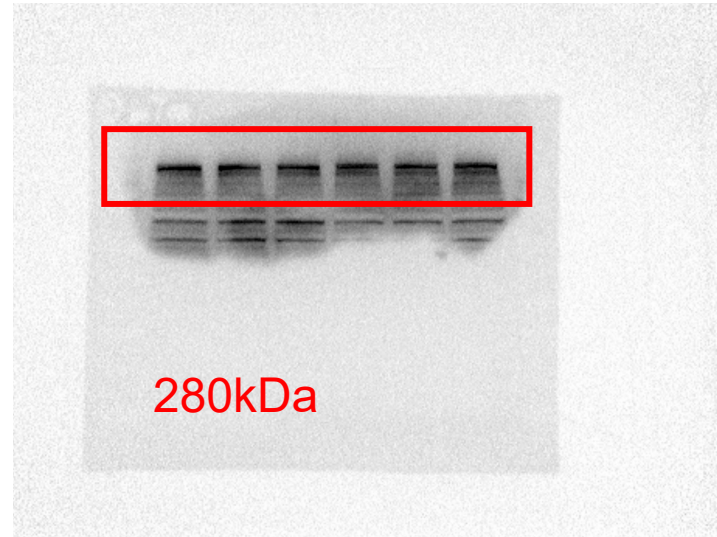
A549 AKT



A549 P-MTOR



A549 MTOR



A549 ACTIN

