

Proteomic analysis revealed USP7 as a novel regulator of palmitic acid-induced hepatocellular carcinoma cell death

Figure: 2B

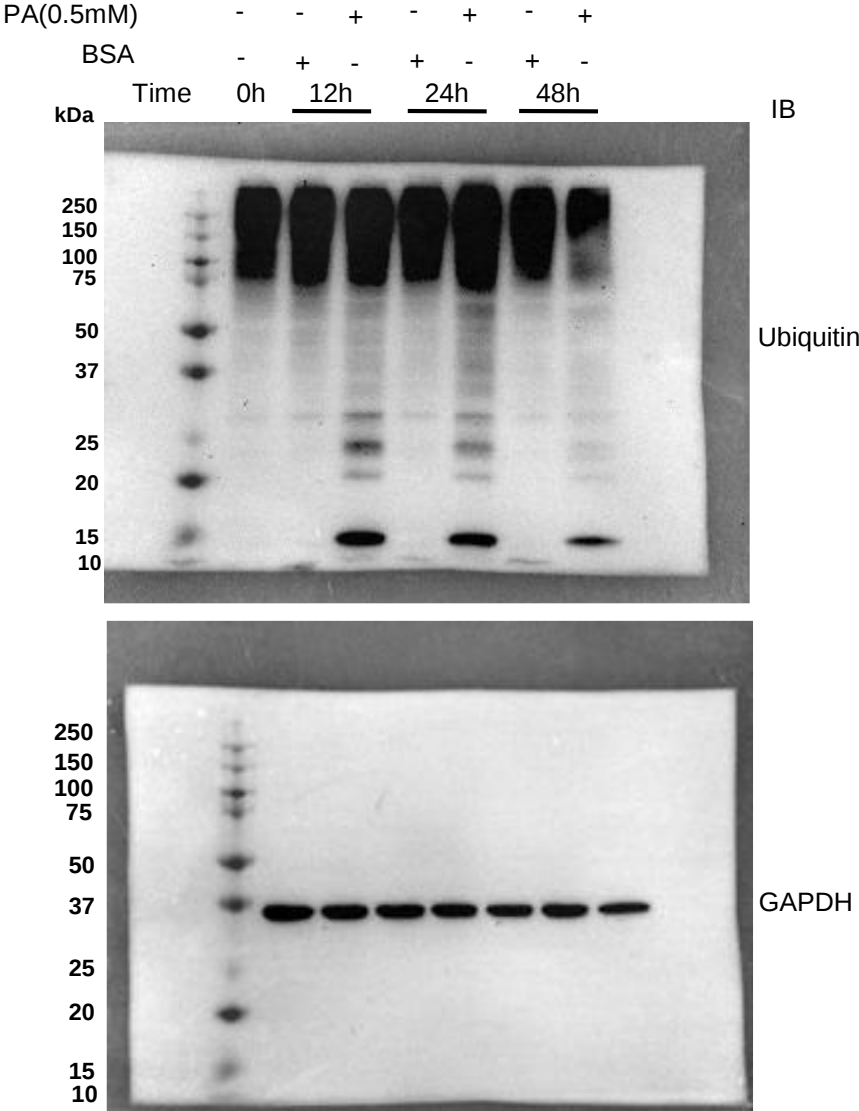


Figure: 2C

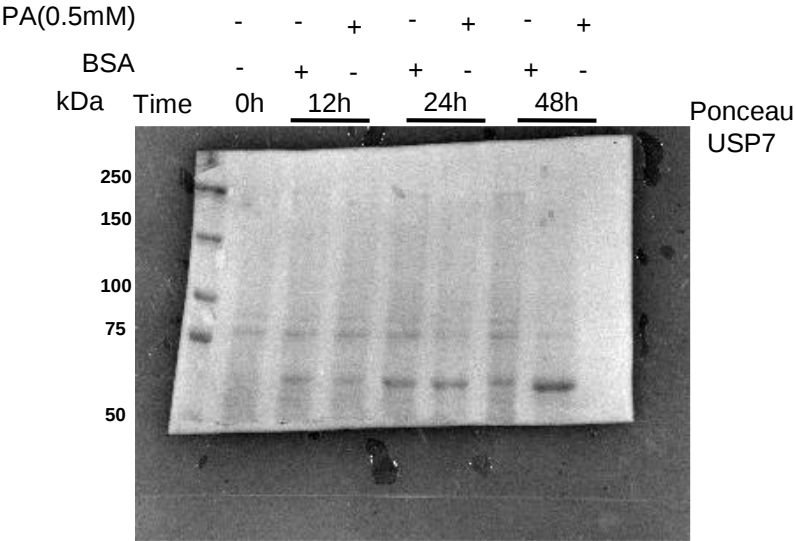
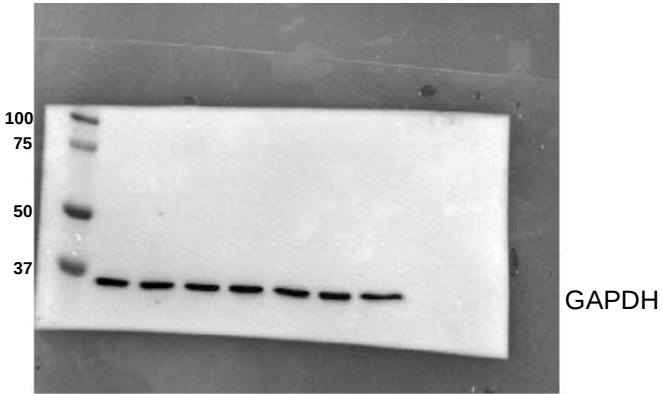
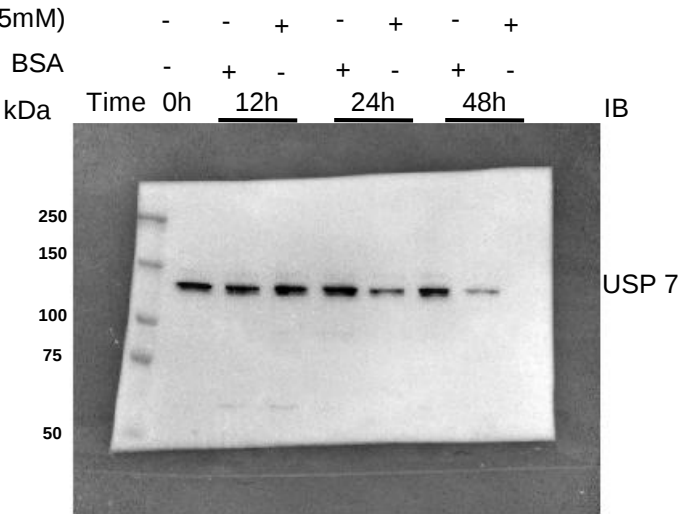


Figure: 3A

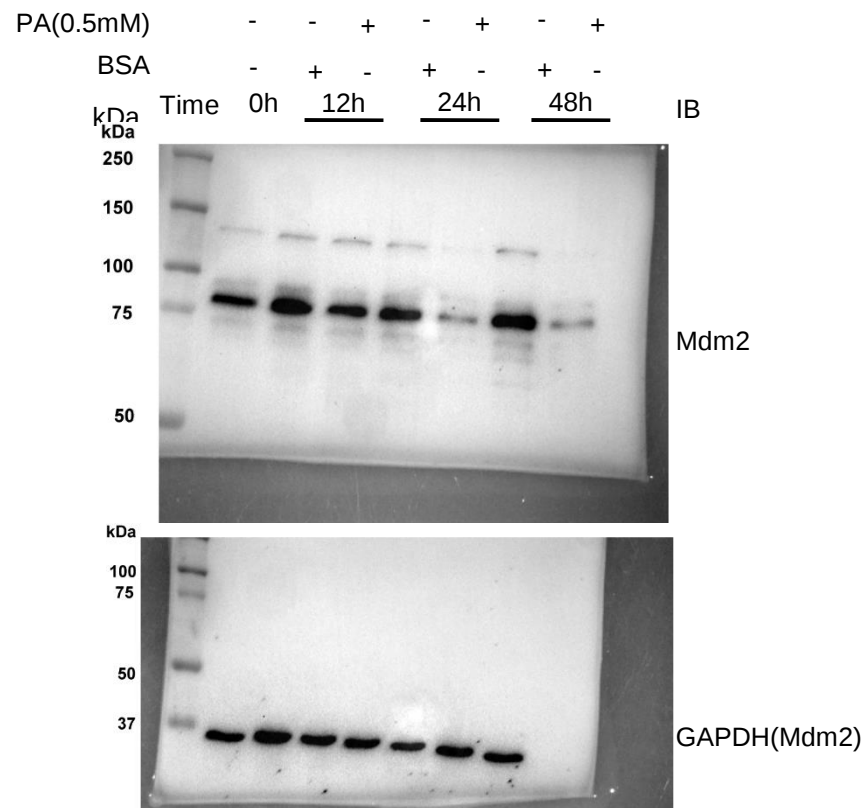
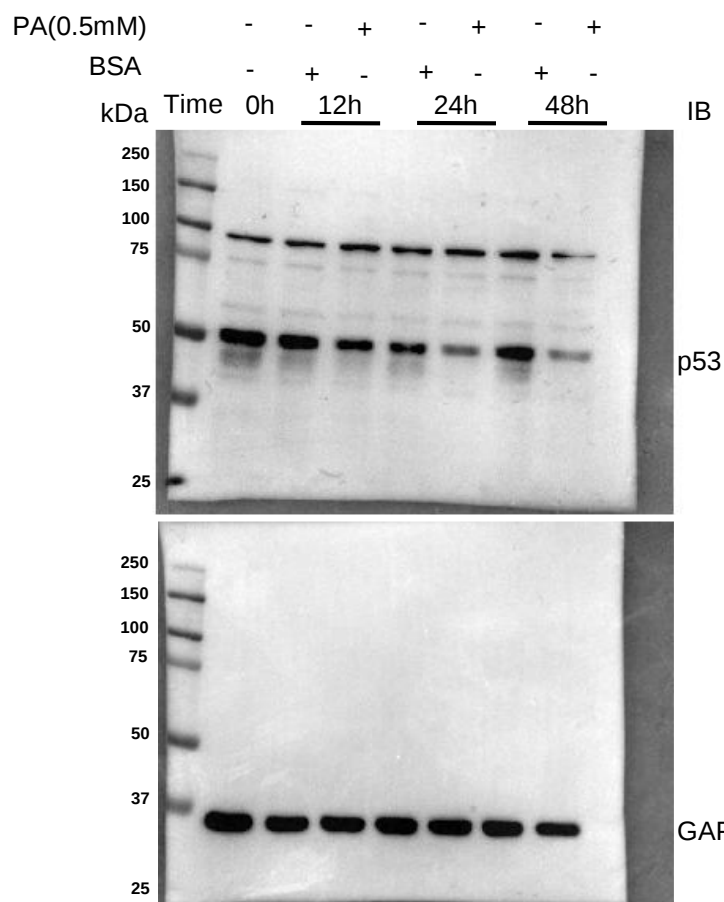
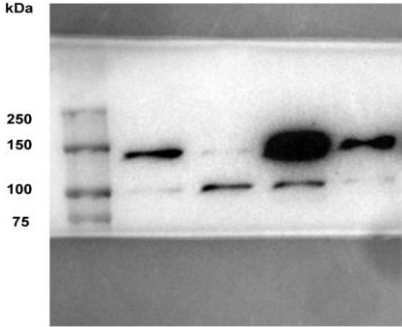
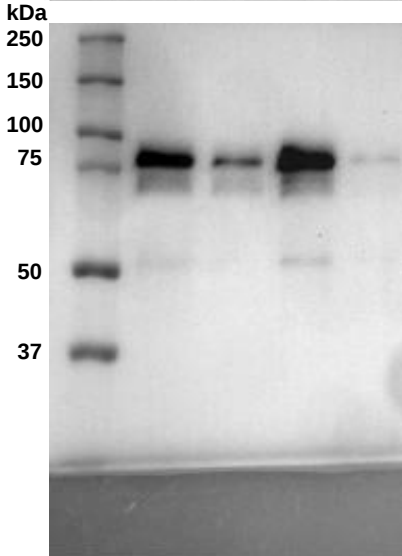


Figure: 3D

EV	+	+	-	-
(pcDNA3.1-N-Myc)	+	+	-	-
WT USP7	-	-	+	+
(pcDNA3.1-N-Myc)	-	-	+	+
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)	+	-	+	-

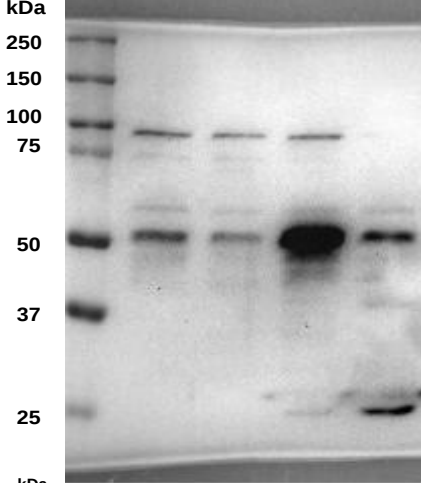


USP7

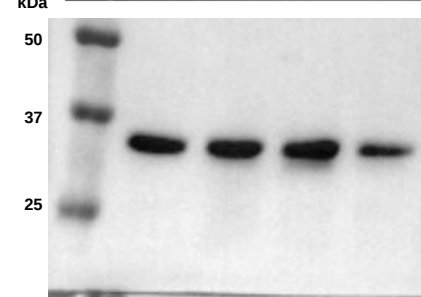


Mdm2

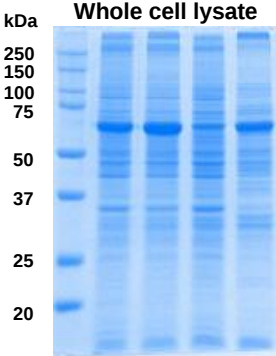
EV	+	+	-	-
(pcDNA3.1-N-Myc)	+	+	-	-
WT USP7	-	-	+	+
(pcDNA3.1-N-Myc)	-	-	+	+
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)	+	-	+	-



p53



GAPDH



Whole cell lysate

Figure: 3E

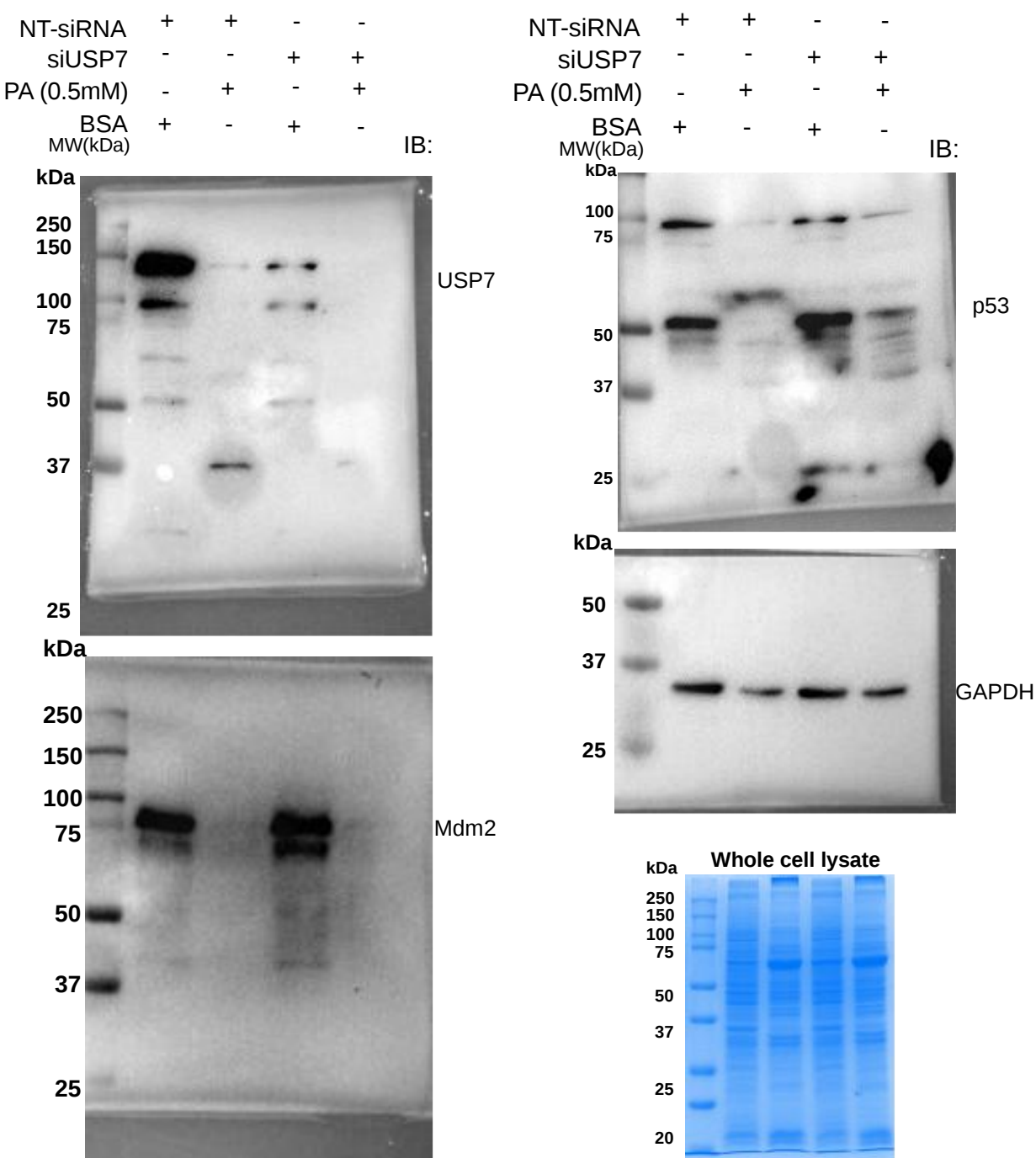
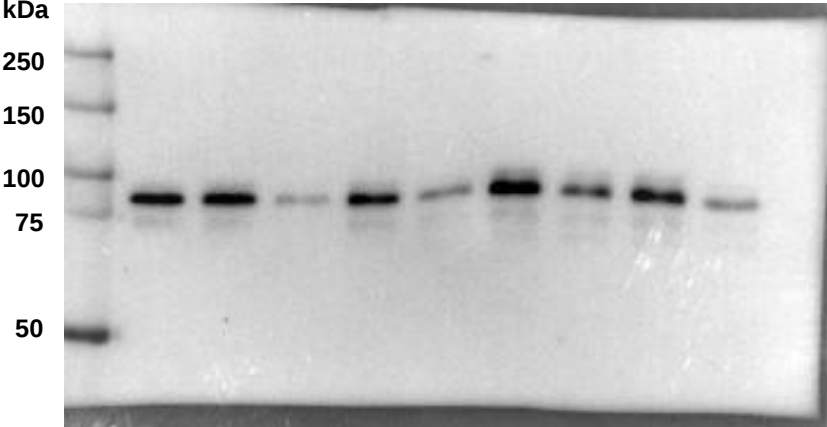
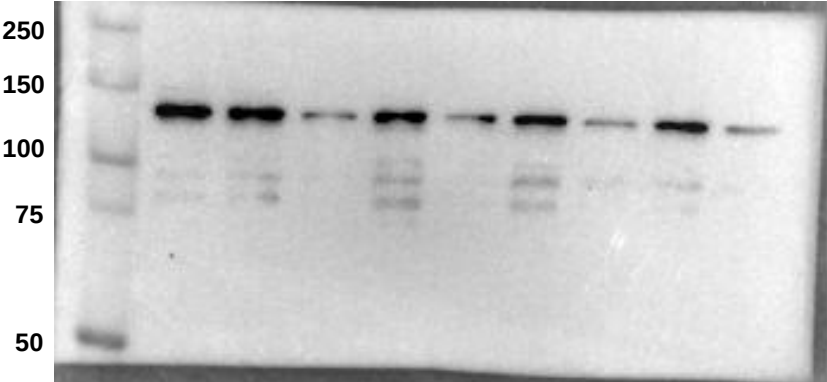


Figure: 3F

		P22077				P5091				IB:
		10μM		20μM		10μM		20μM		
PA (0.5mM)	-	-	+	-	+	-	+	-	+	
BSA	-	+	-	+	-	+	-	+	-	
DMSO	+	-	-	-	-	-	-	-	-	
kDa	MW(kDa)									



		P22077				P5091				IB:
		10μM		20μM		10μM		20μM		
PA (0.5mM)	-	-	+	-	+	-	+	-	+	
BSA	-	+	-	+	-	+	-	+	-	
DMSO	+	-	-	-	-	-	-	-	-	
MW(kDa)										

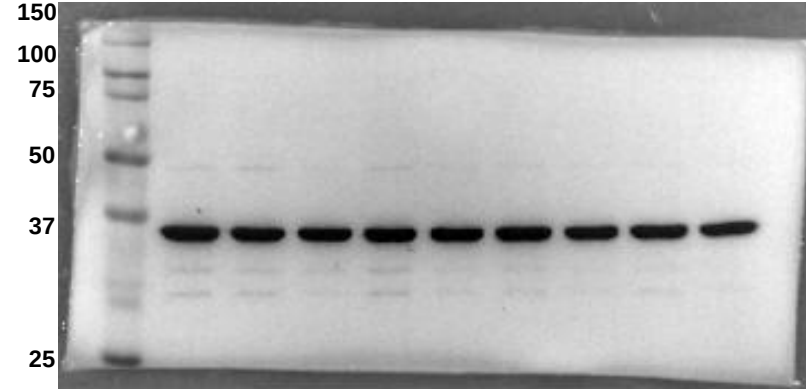
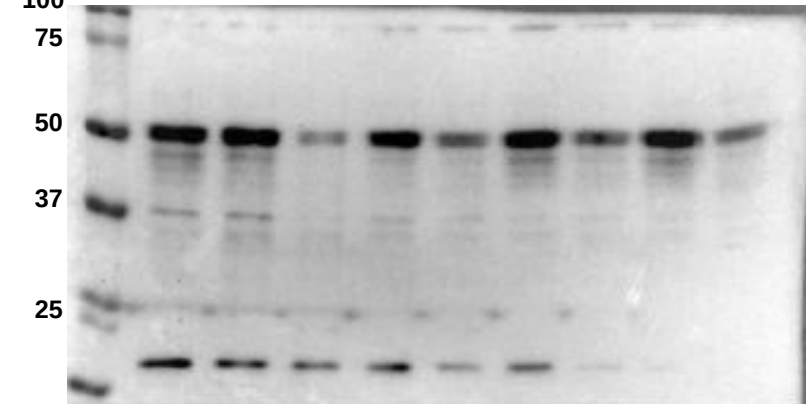
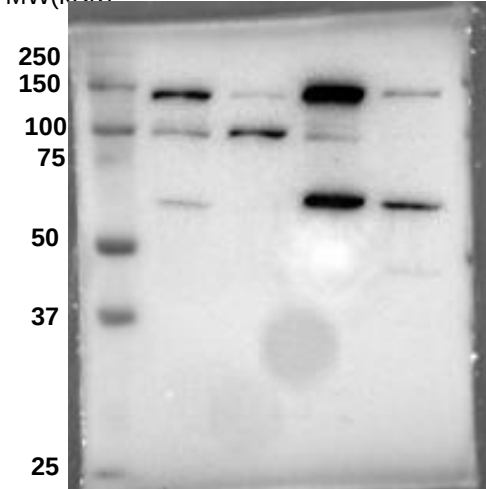
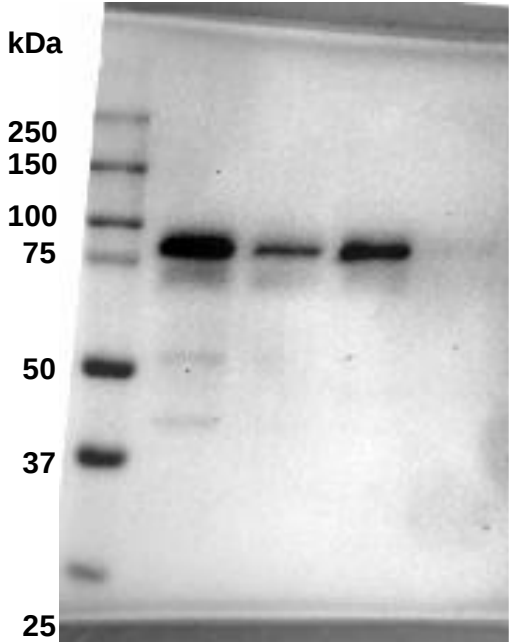


Figure: 3G

EV	+	+	-	-
(pcDNA3.1-N-Myc)				
WT USP7 (C223S)	-	-	+	+
(pcDNA3.1-N-Myc)				
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)				

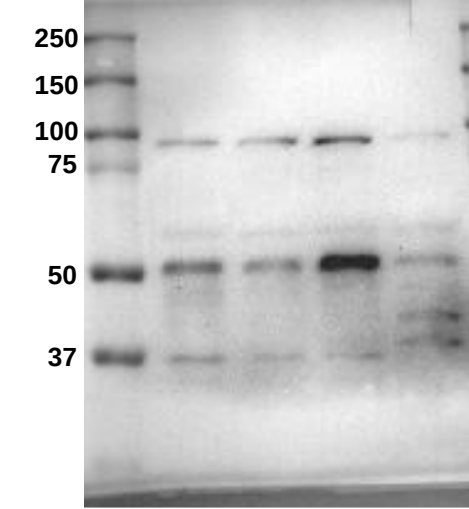


USP7

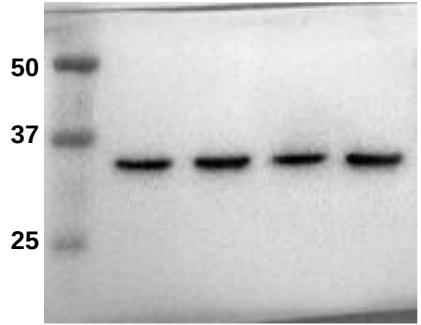


Mdm2

EV	+	+	-	-
(pcDNA3.1-N-Myc)				
WT USP7 (C223S)	-	-	+	+
(pcDNA3.1-N-Myc)				
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)				



p53



GAPDH

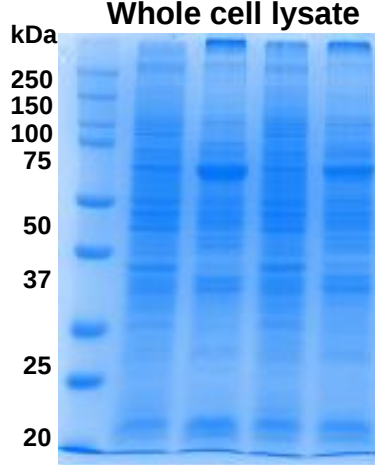
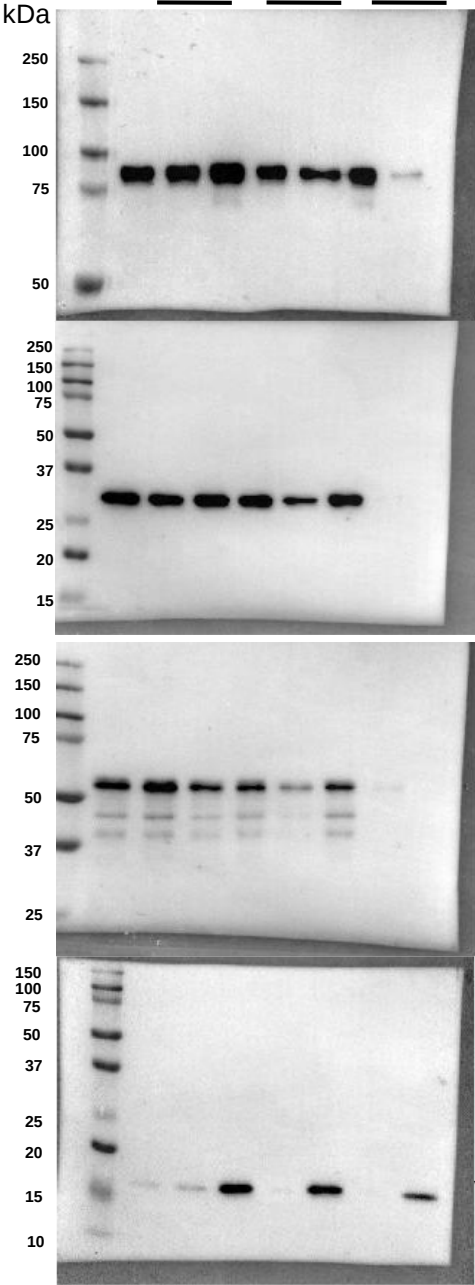


Figure:4A

PA(0.5mM) - - + - + - +
BSA - + - + - + -
Time 0h 12h 24h 48h IB



PA(0.5mM) - - + - + - +
BSA - + - + - + -
Time 0h 12h 24h 48h IB

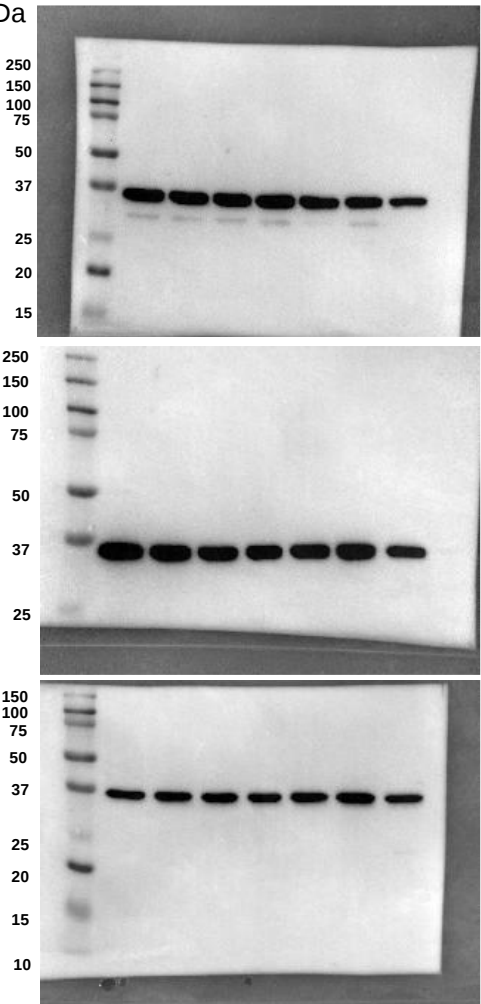


Figure:4A

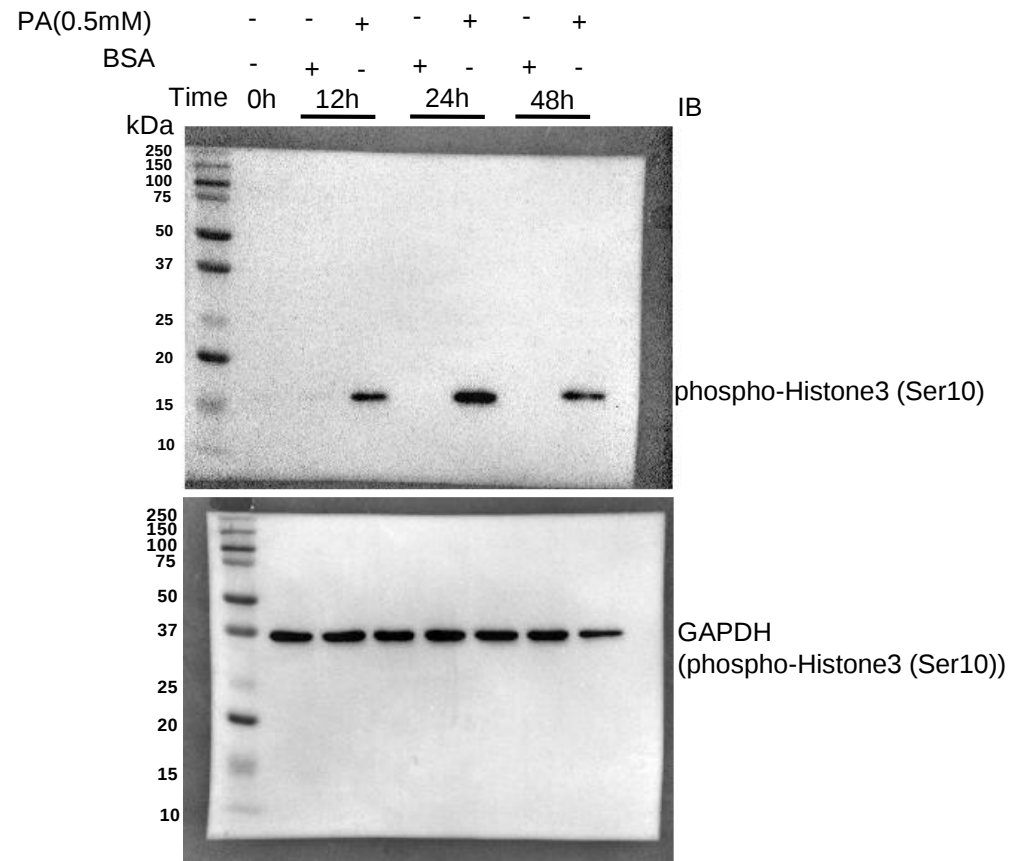
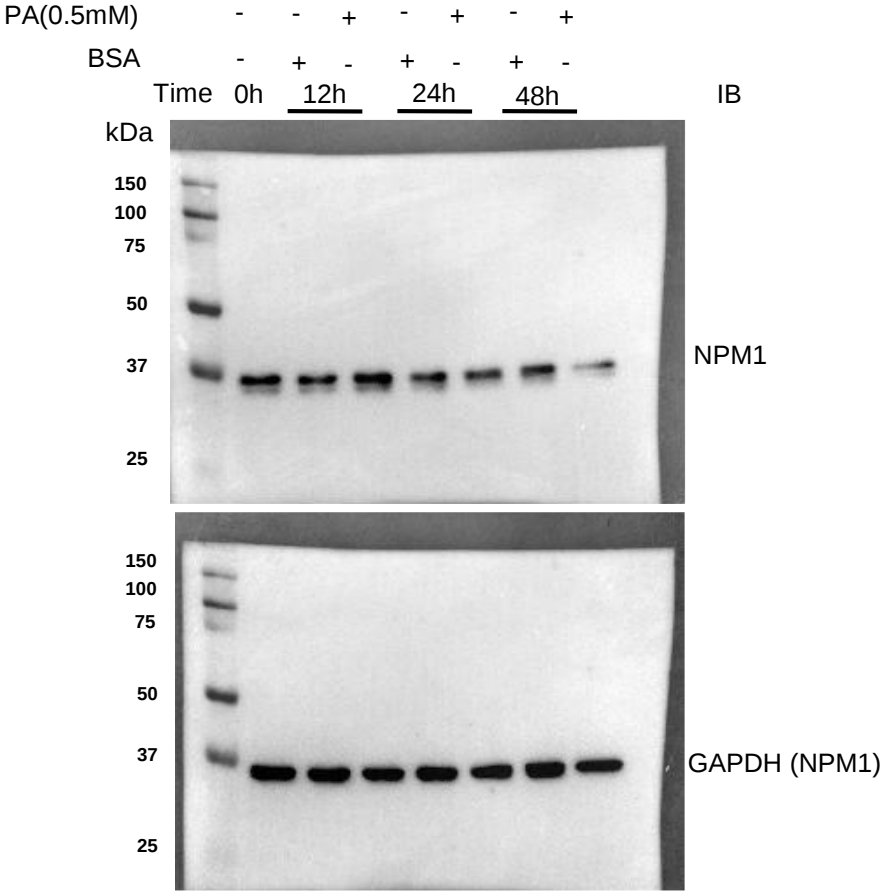


Figure:7B



PA(0.5mM)		-		-		+		-		+		-		+		IB
BSA		-		+		-		+		-		+				
kDa	Time	0h		<u>12h</u>		<u>24h</u>		<u>24h</u>		<u>48h</u>		<u>48h</u>				
100																pro cas3 (Low exposure)
75																
50																
37																
25																
20																
15																
10																cCas3 (High exposure)
75																
50																
37																
25																
20																
15																
10																GAPDH_Cas3
250																
150																
100																
75																
50																
37																
25																
20																
15																
10																

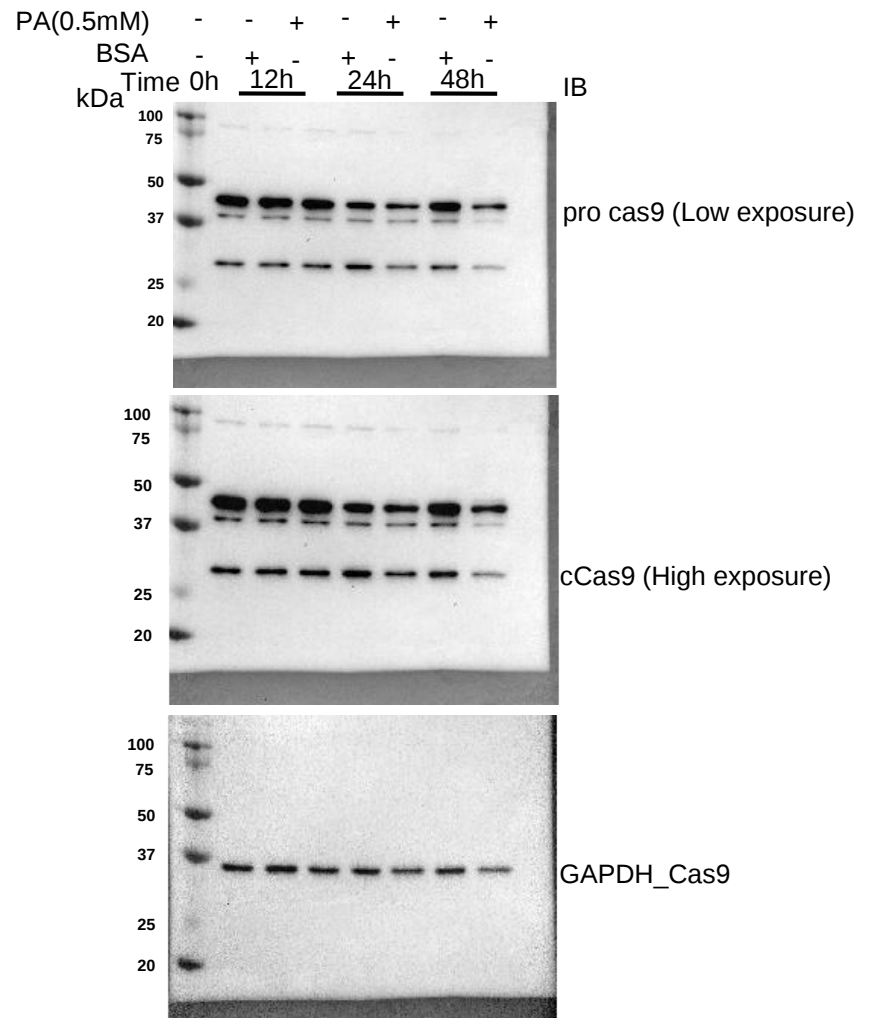


Figure:8A

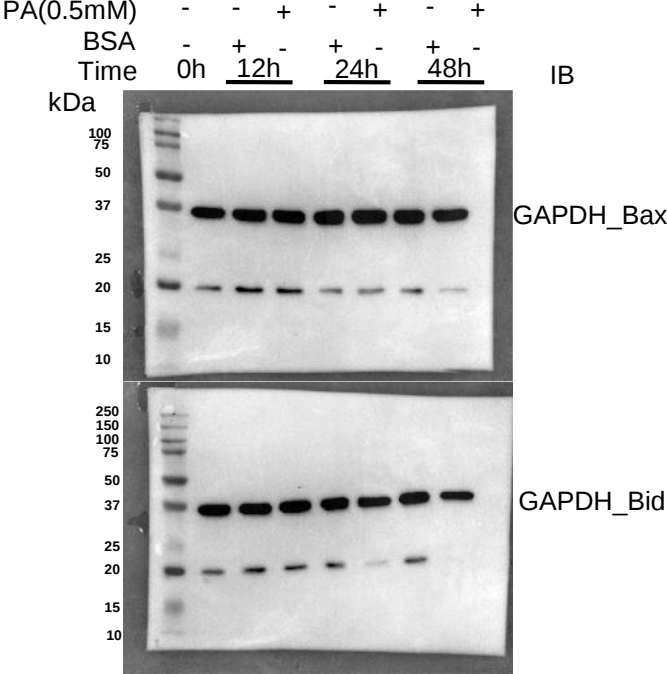
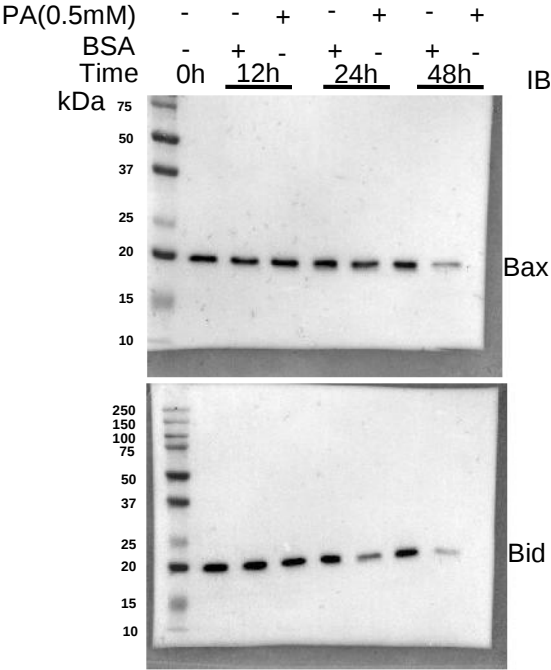


Figure:8A

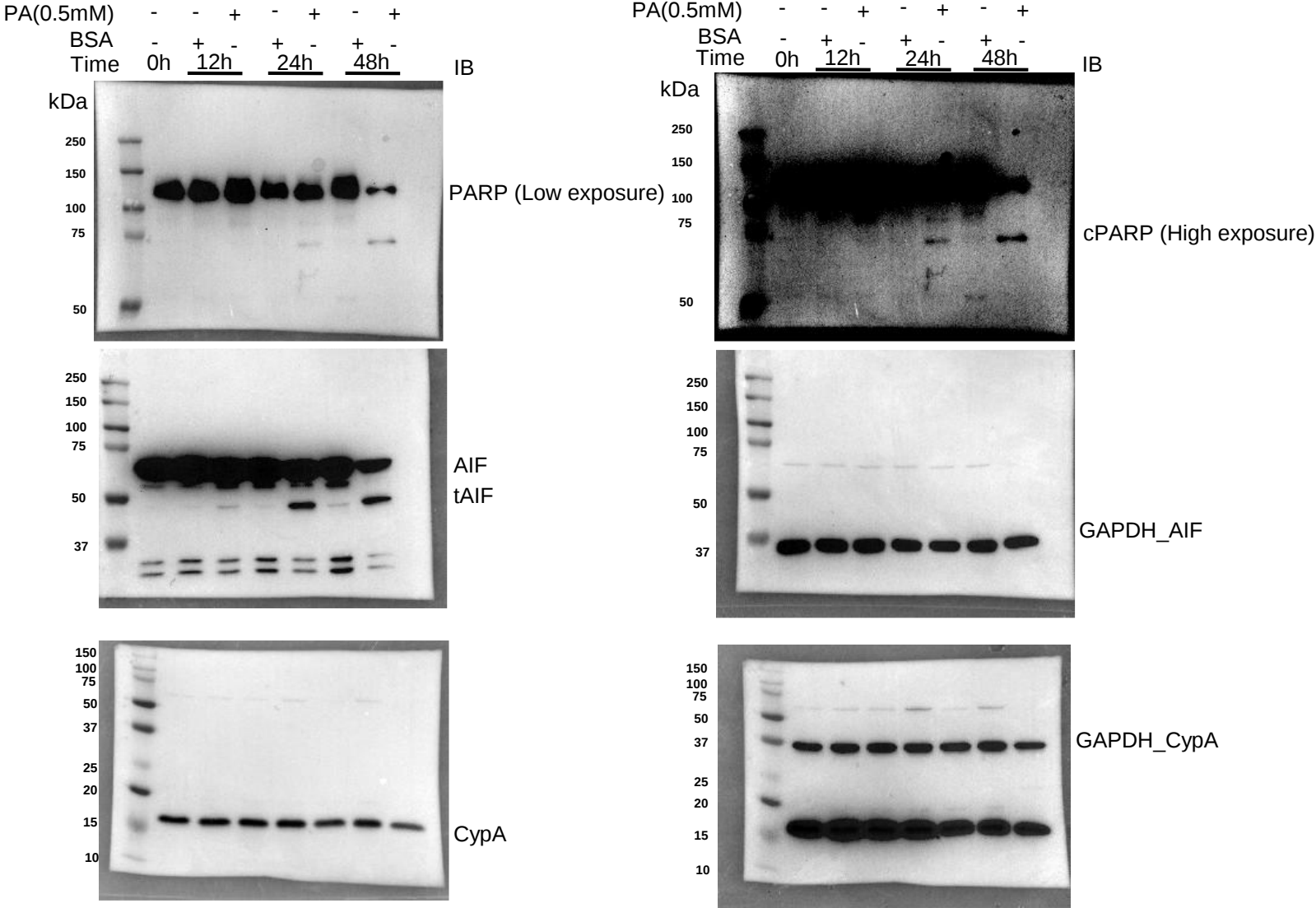


Figure:8F

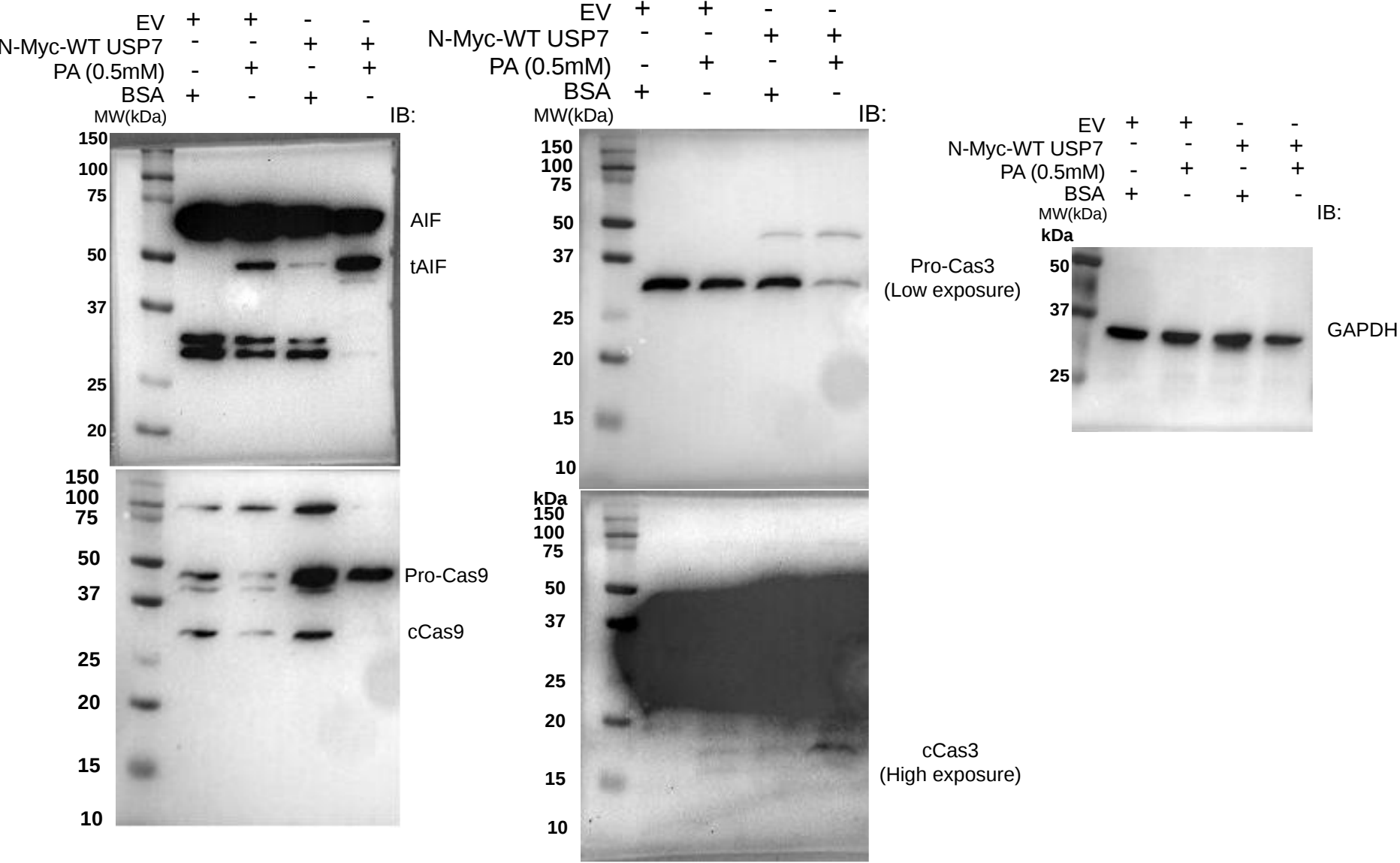


Figure:8G

NT-siRNA	+	+	-	-
siUSP7	-	-	+	+
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)				

NT-siRNA	+	+	-	-
siUSP7	-	-	+	+
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)				

NT-siRNA	+	+	-	-
siUSP7	-	-	+	+
PA (0.5mM)	-	+	-	+
BSA	+	-	+	-
MW(kDa)				

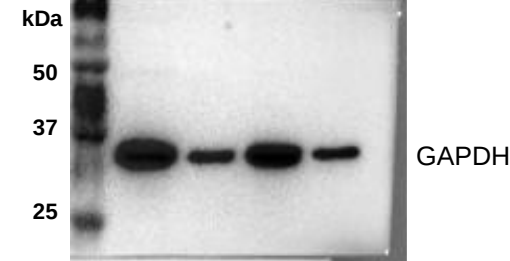
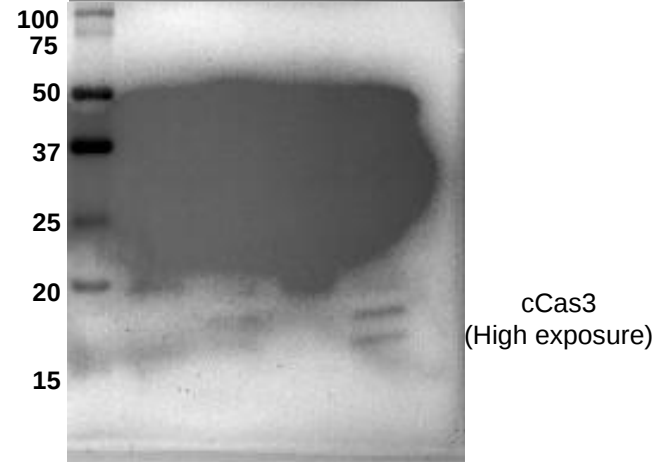
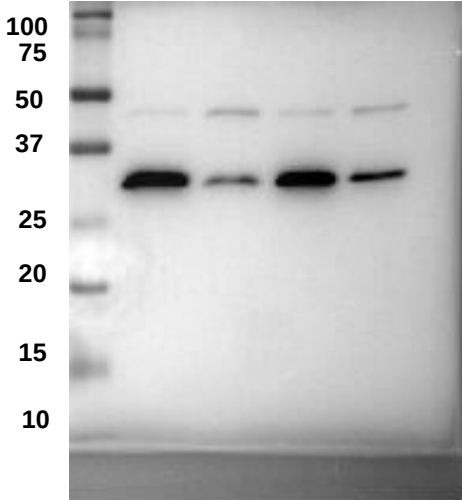
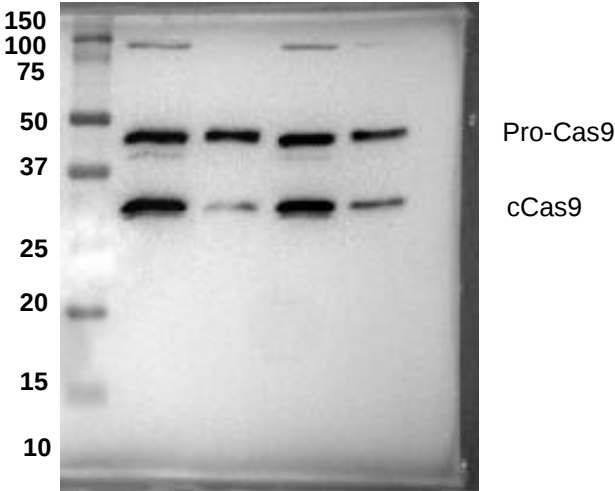
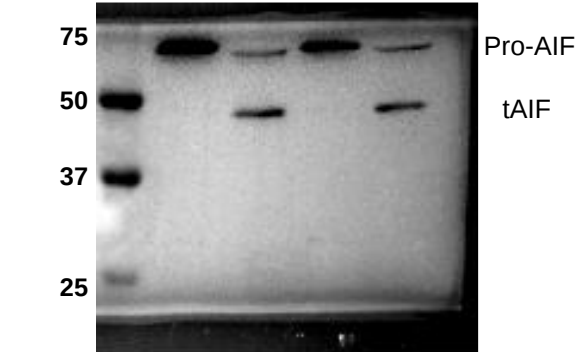


Figure:8H

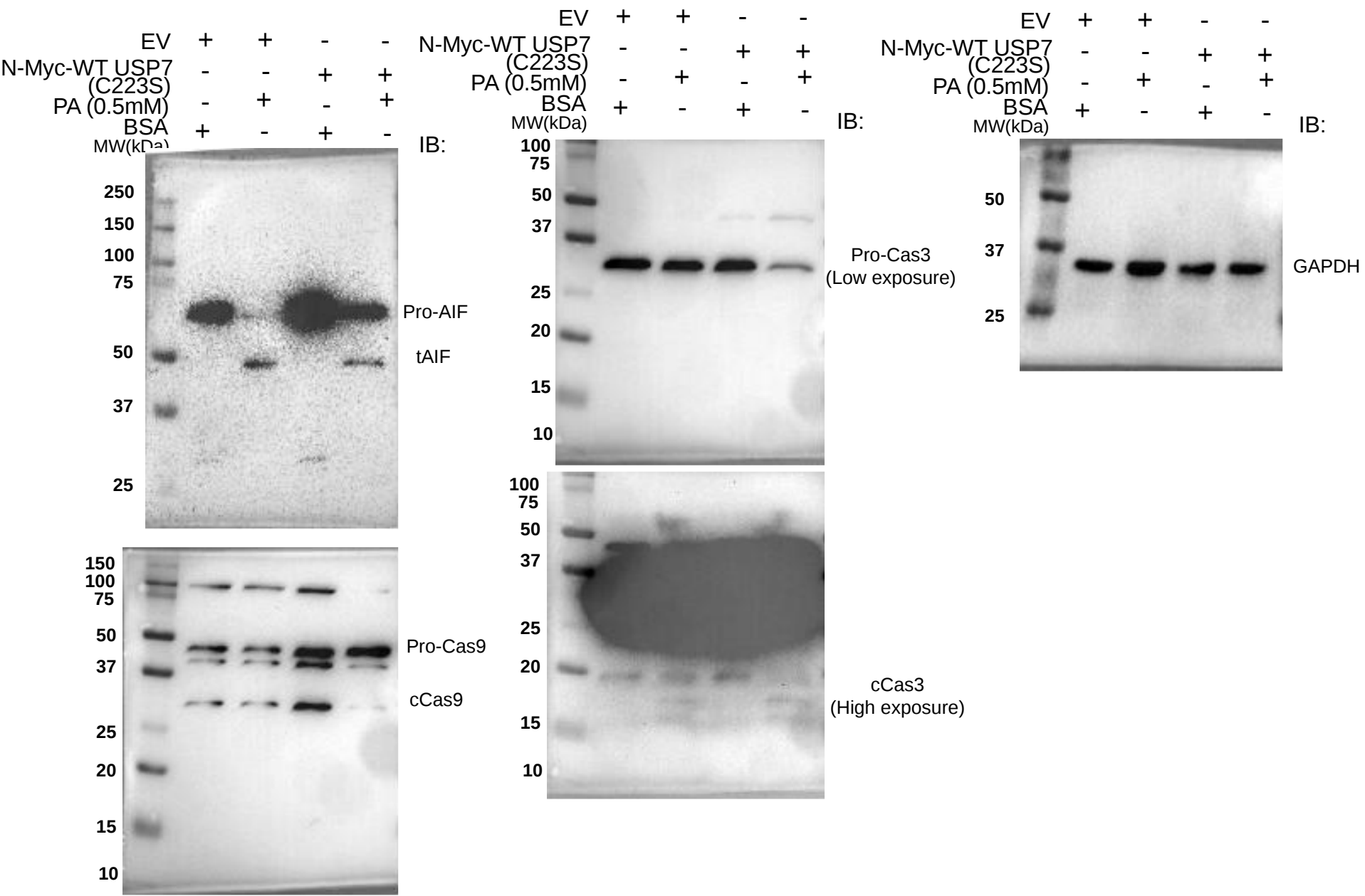


Figure:8I

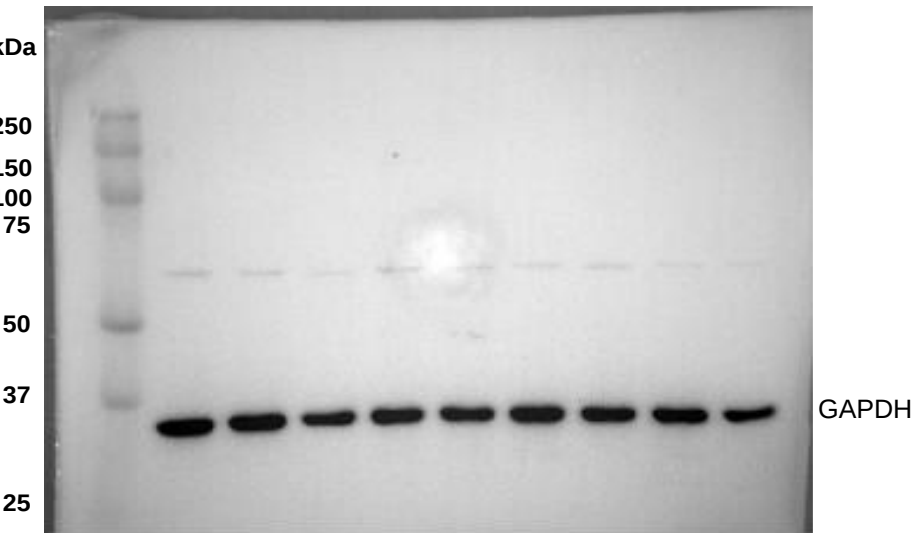
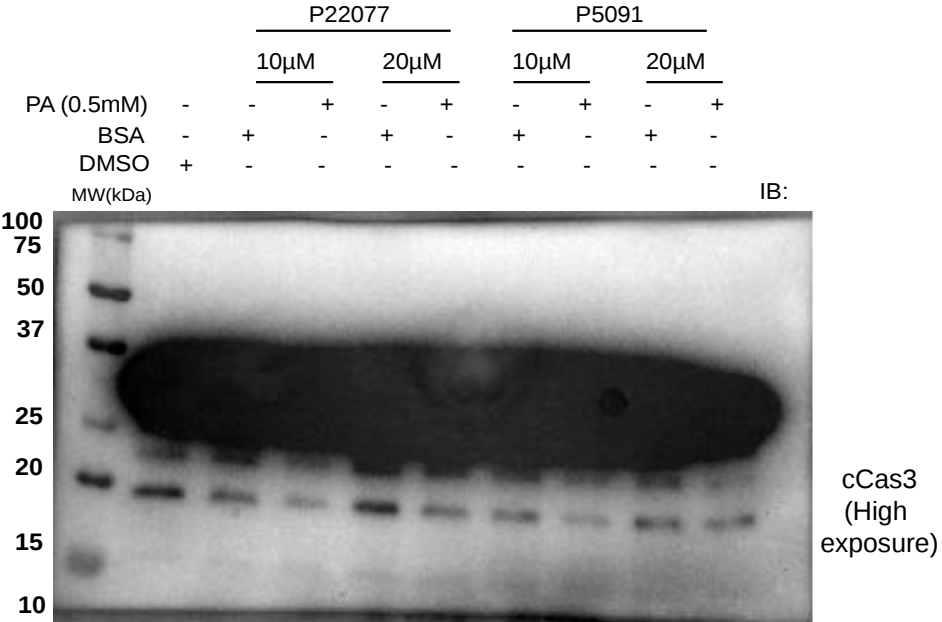
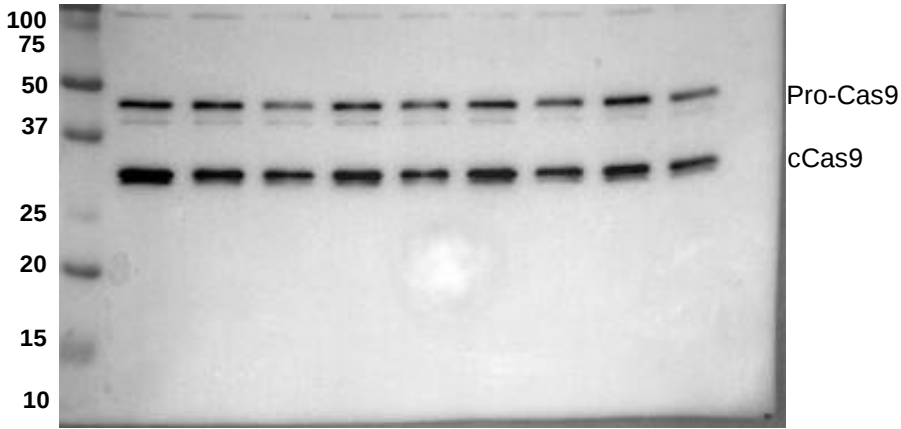
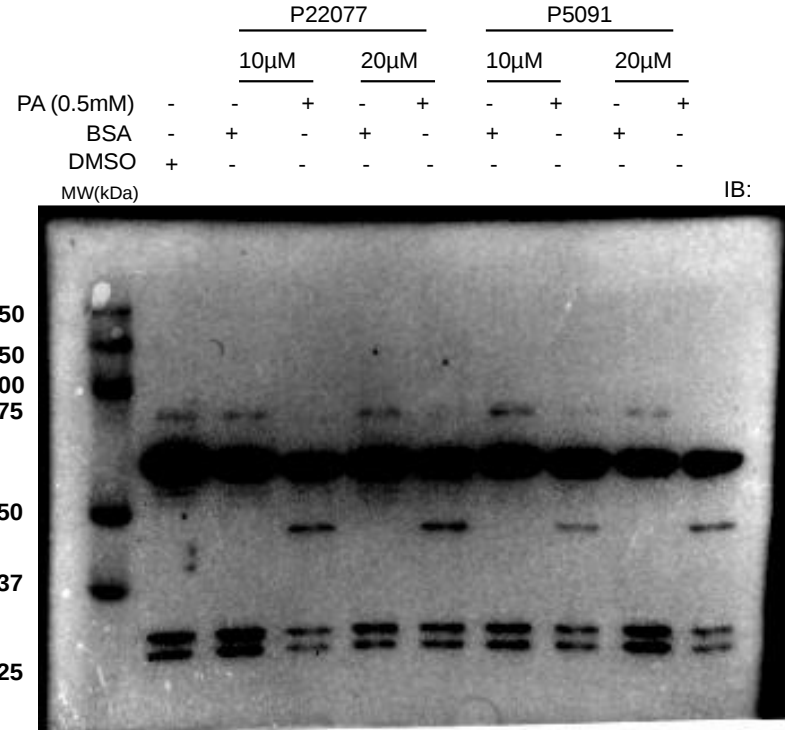


Figure:9B

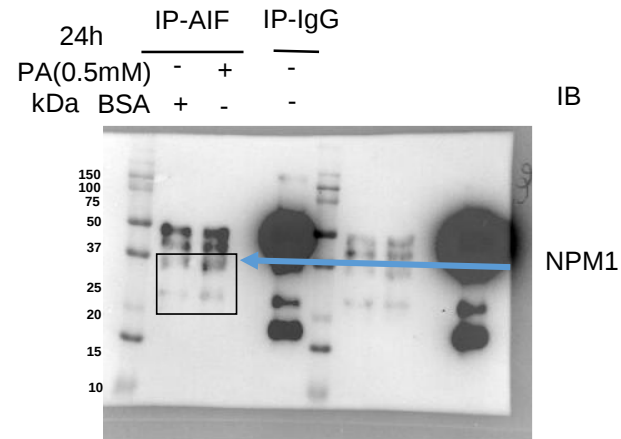
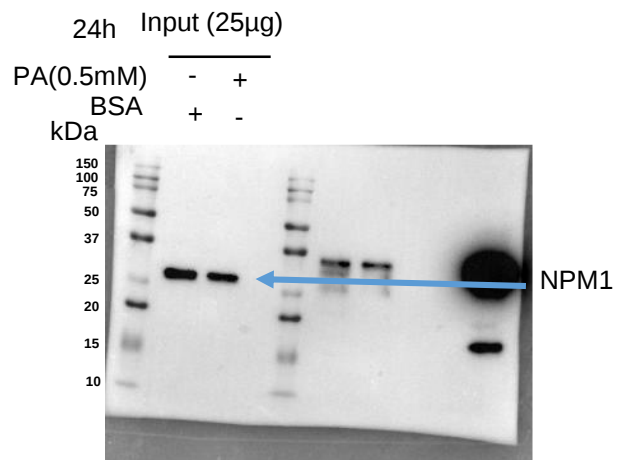
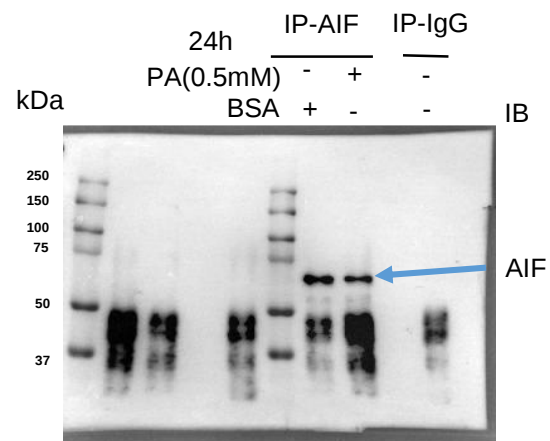
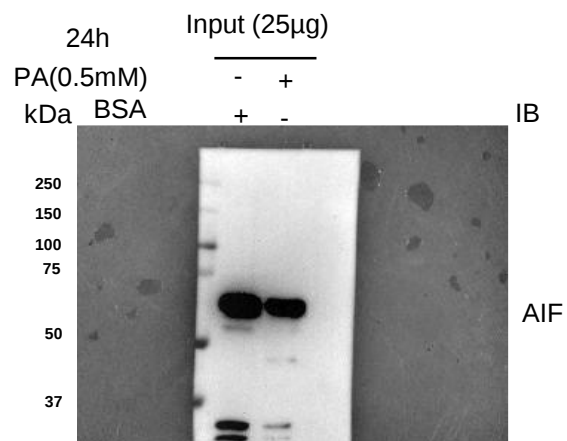


Figure:9B

