

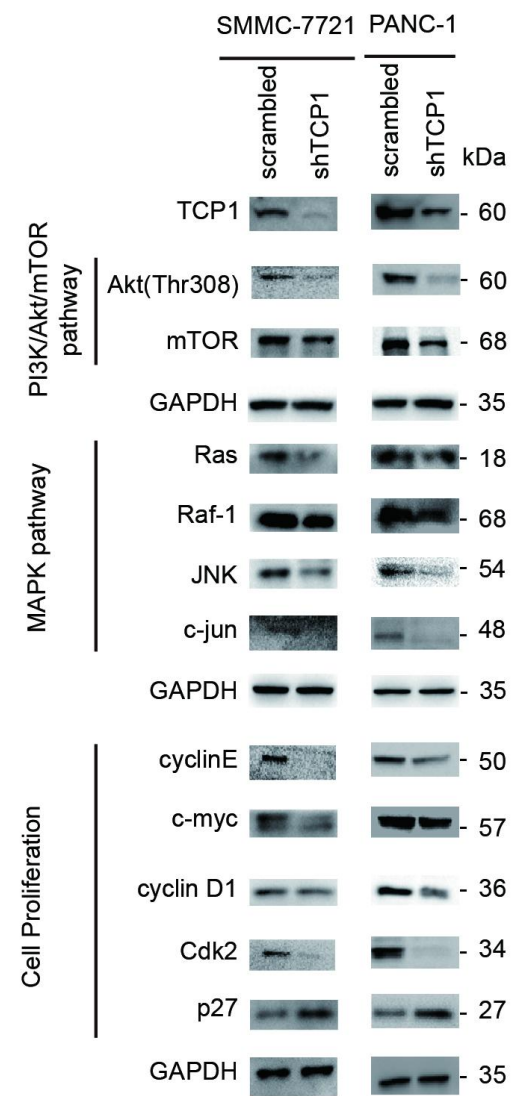
Supplementary Table S1.

Table S1. Antibodies used for western blot or immunoprecipitation↵				
Antibody↵	Company↵	Cat. No.↵	Species↵	Dilution↵
TCP-1 alpha↵	Abcam↵	ab92587↵	Rabbit↵	1:1000↵
p-AKT (Ser473)↵	Cell signaling↵	4060↵	Rabbit↵	1:1000↵
p-GSK-3 β (Ser9)↵	Cell signaling↵	5558↵	Rabbit↵	1:1000↵
p-c-Myc (Thr58)↵	Cell signaling↵	46650↵	Rabbit↵	1:1000↵
GSK-3β↵	Cell signaling↵	12456↵	Rabbit↵	1:1000↵
p-ERK1/2↵	Cell signaling↵	4370↵	Rabbit↵	1:1000↵
AKT↵	Proteintech↵	10176-2-AP↵	Rabbit↵	1:1000↵
c-Myc↵	Proteintech↵	10828-1-AP↵	Rabbit↵	1:1000↵
ERK1/2↵	Proteintech↵	11257-1-AP↵	Rabbit↵	1:1000↵
p-c-Myc (Ser62)↵	ABclonal↵	AP0989↵	Rabbit↵	1:1000↵
p-GSK-3β (Tyr216)↵	ABclonal↵	AP0261↵	Rabbit↵	1:1000↵
GAPDH↵	TransGen Biotech↵	HC301-01↵	Mouse↵	1:5000↵

Supplementary Table S2.

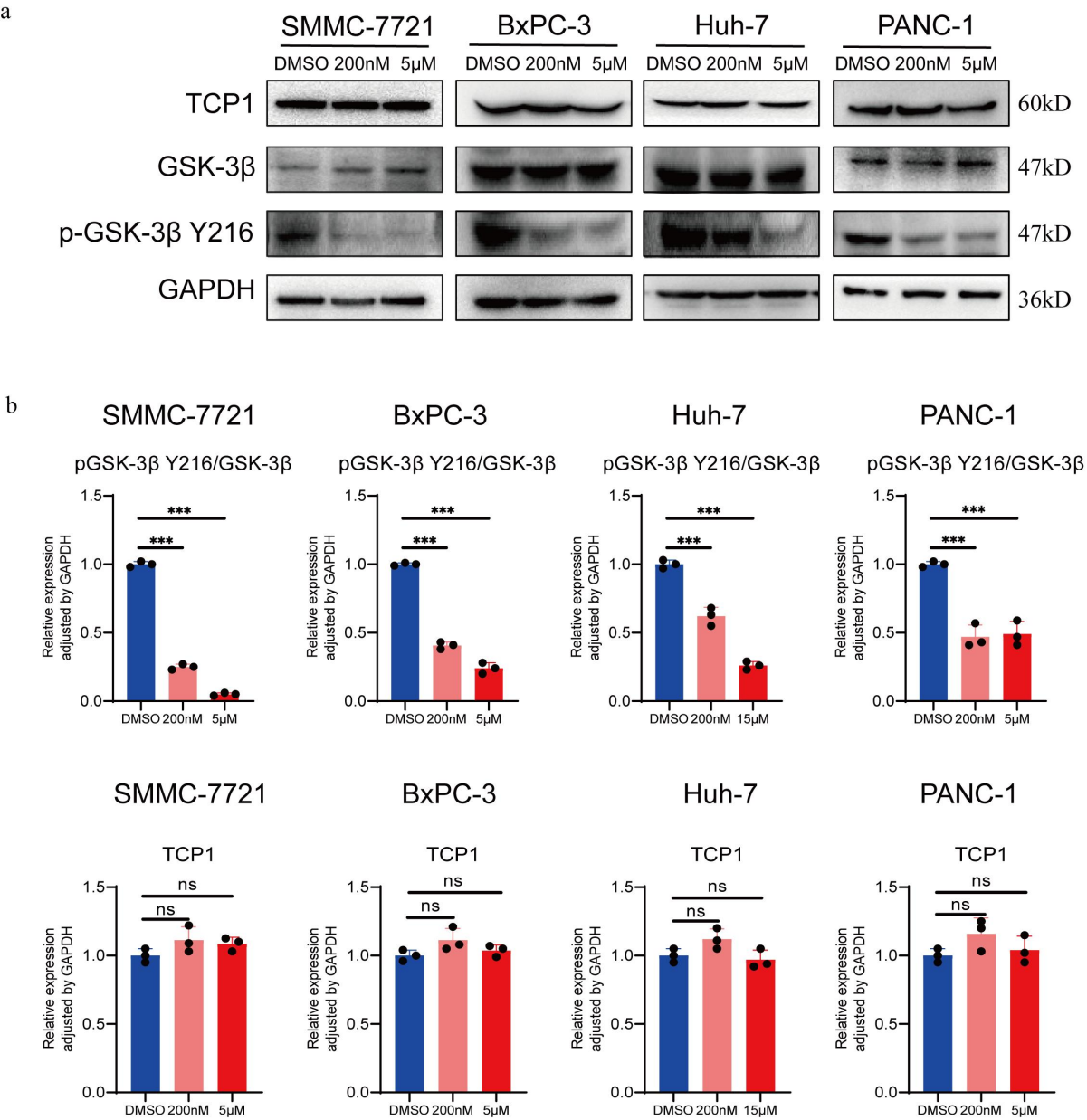
Table S2. Primers used for qRT-PCR↵		
TCP1↵	Forward↵	TCTCTTGGTCCAGTTGGCTTG↵
	Reverse↵	GATATAACGCACTGCTTCCTTGC↵
c-Myc↵	Forward↵	CTCTCCGTCCTCGGATTCTC↵
	Reverse↵	ATCTTCTTGTTTCCTCCTCAGAGTC↵
GAPDH↵	Forward↵	ACTAGGCGCTCACTGTTCTC↵
	Reverse↵	GATCTCGCTCCTGGAAGATGG↵

Supplementary Figure1.



Supplementary Fig. 1: The expression levels of multiple signal pathways including cell proliferation, MAPK pathway and PI3K/AKT/mTOR in SMMC-7721 and PANC-1 cells were detected by WB after TCP1 knocked down.

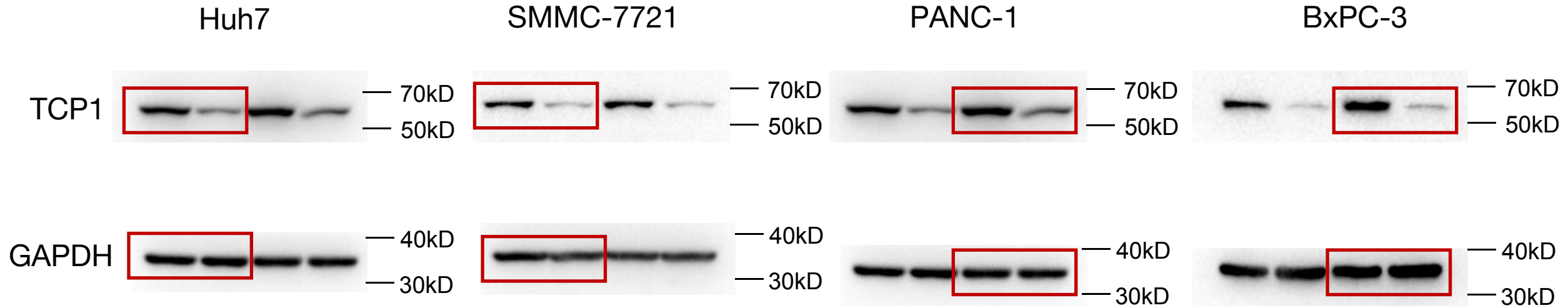
Supplementary Figure 2.



Supplementary Fig. 2: The GSK-3 β inhibitor AR-A014418 was used to confirm the TCP1 protein levels following inhibition of GSK-3 β . Huh-7 cells were treated with 200 nM and 15 μ M AR-A014418, and SMMC-7721, PANC-1, and BxPC-3 cells were treated with 200 nM and 5 μ M AR-A014418; then, the levels of p-GSK-3 β Y216, GSK-3 β and TCP1 were detected (**a**, **b**). The data are shown as the means $\pm$ SD from three independent experiments. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, ns, no significance, between the indicated groups.

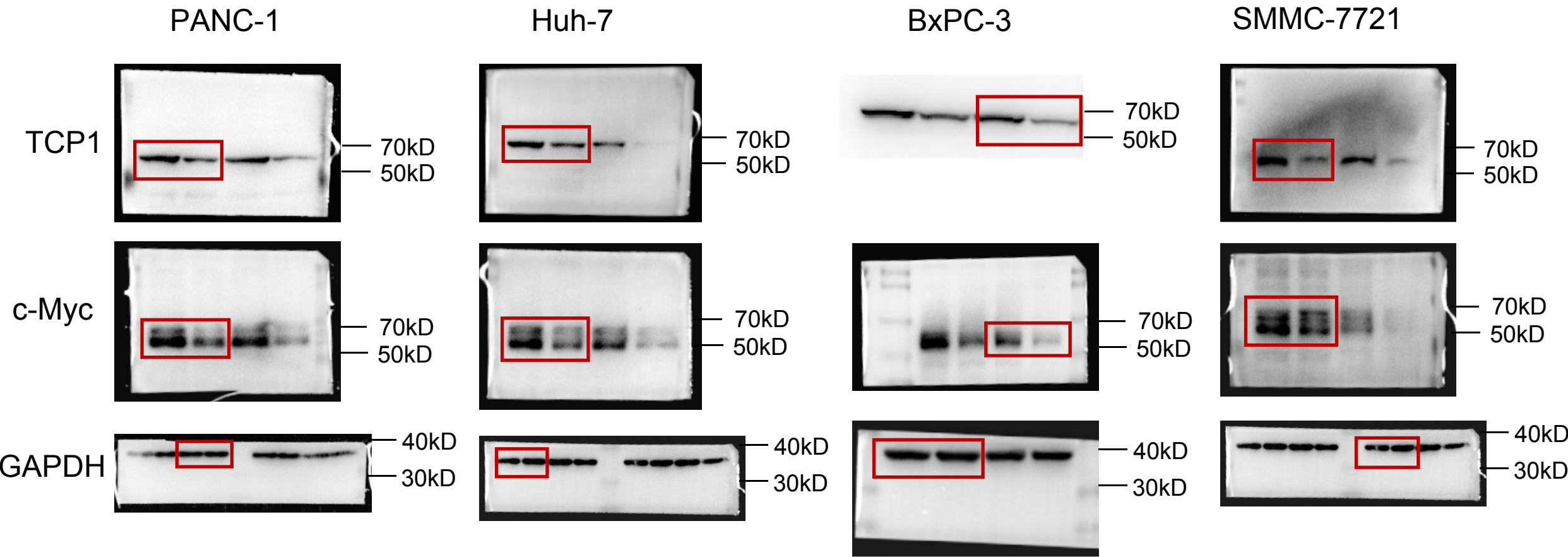
Supplementary Figure 3.

Fig. 2A



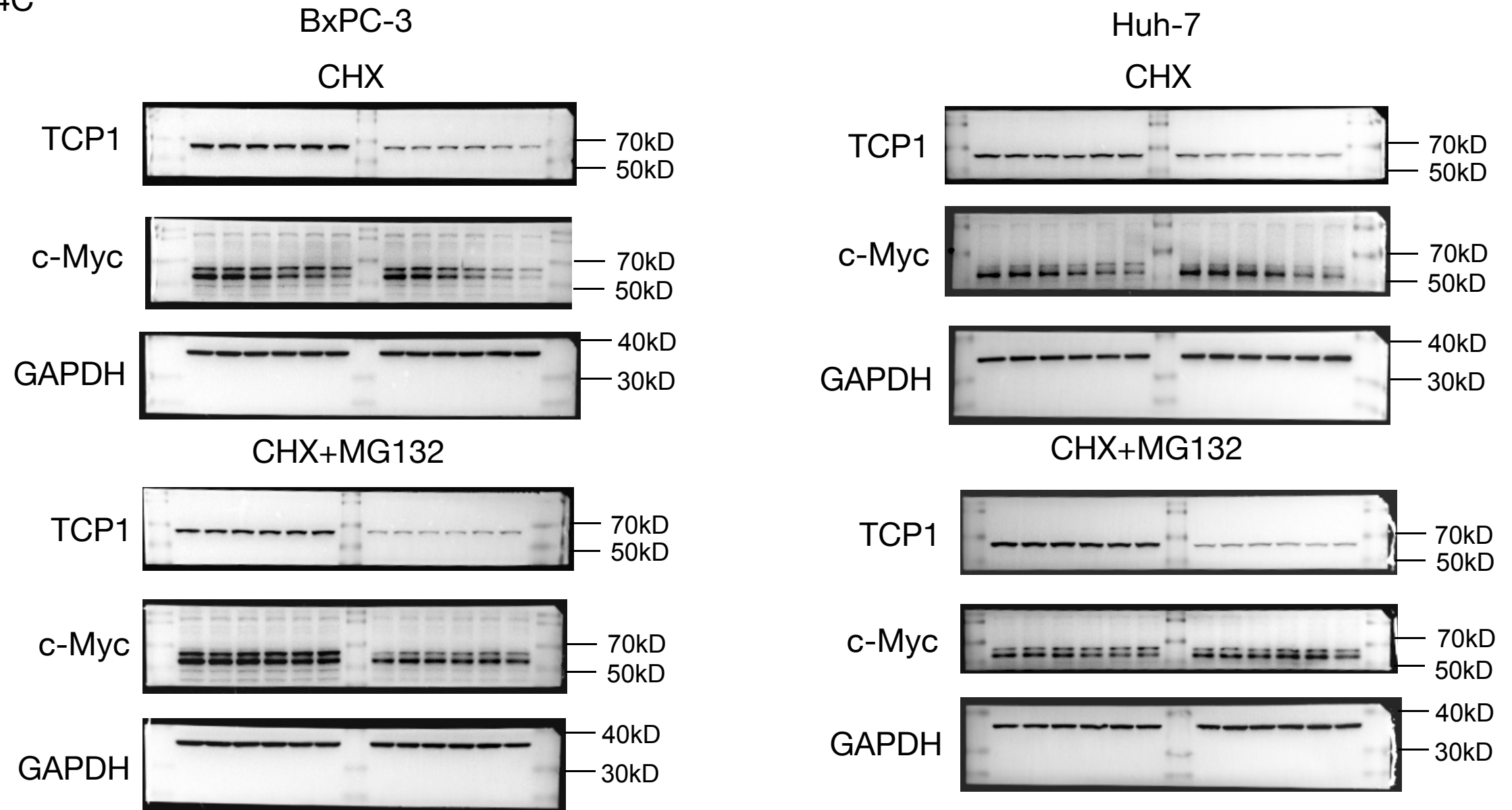
The full unprocessed original images of gels and blots used for Figure 2A. Red boxes show approximate image areas used for the final figures.

Fig. 4A



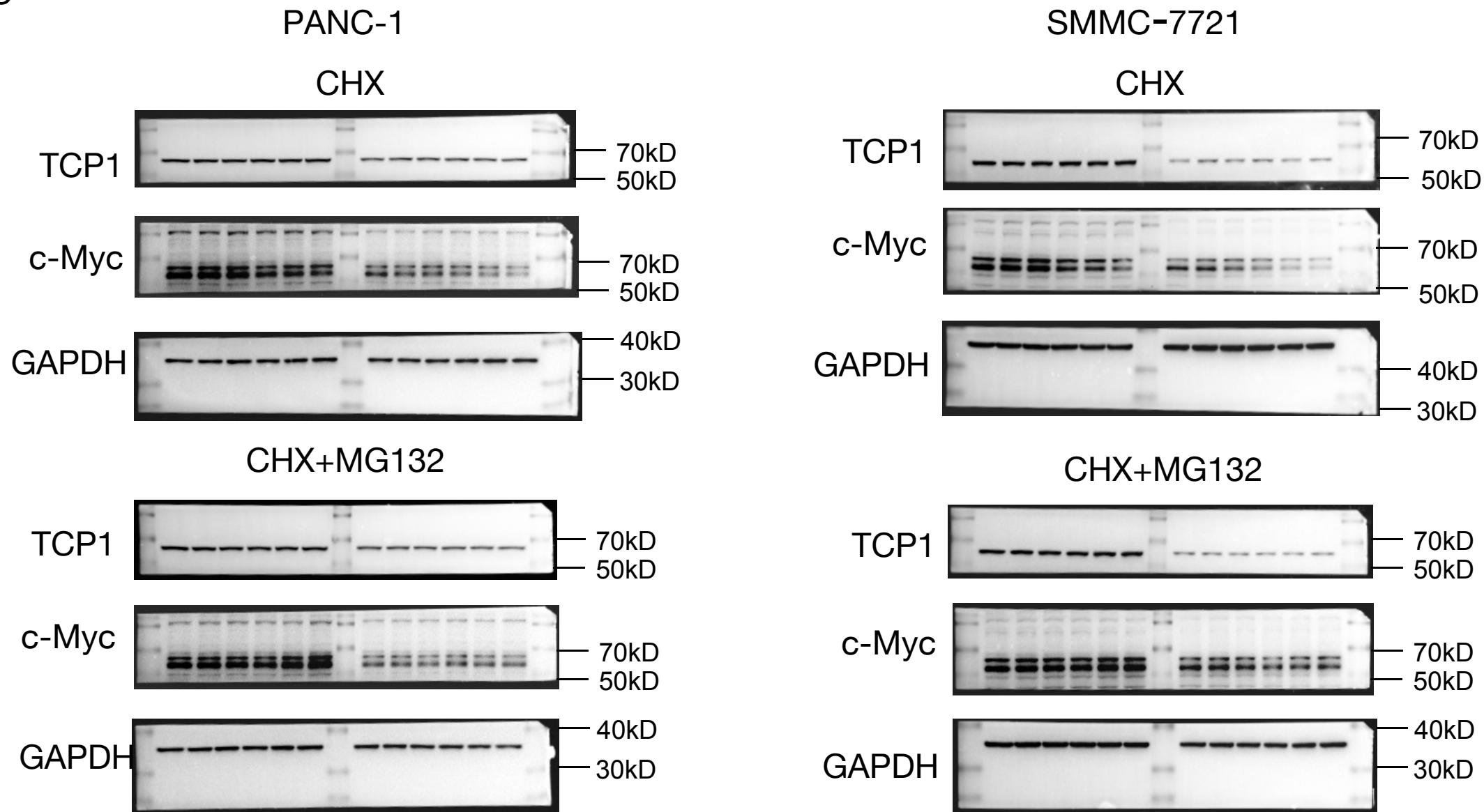
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Fig. 4C



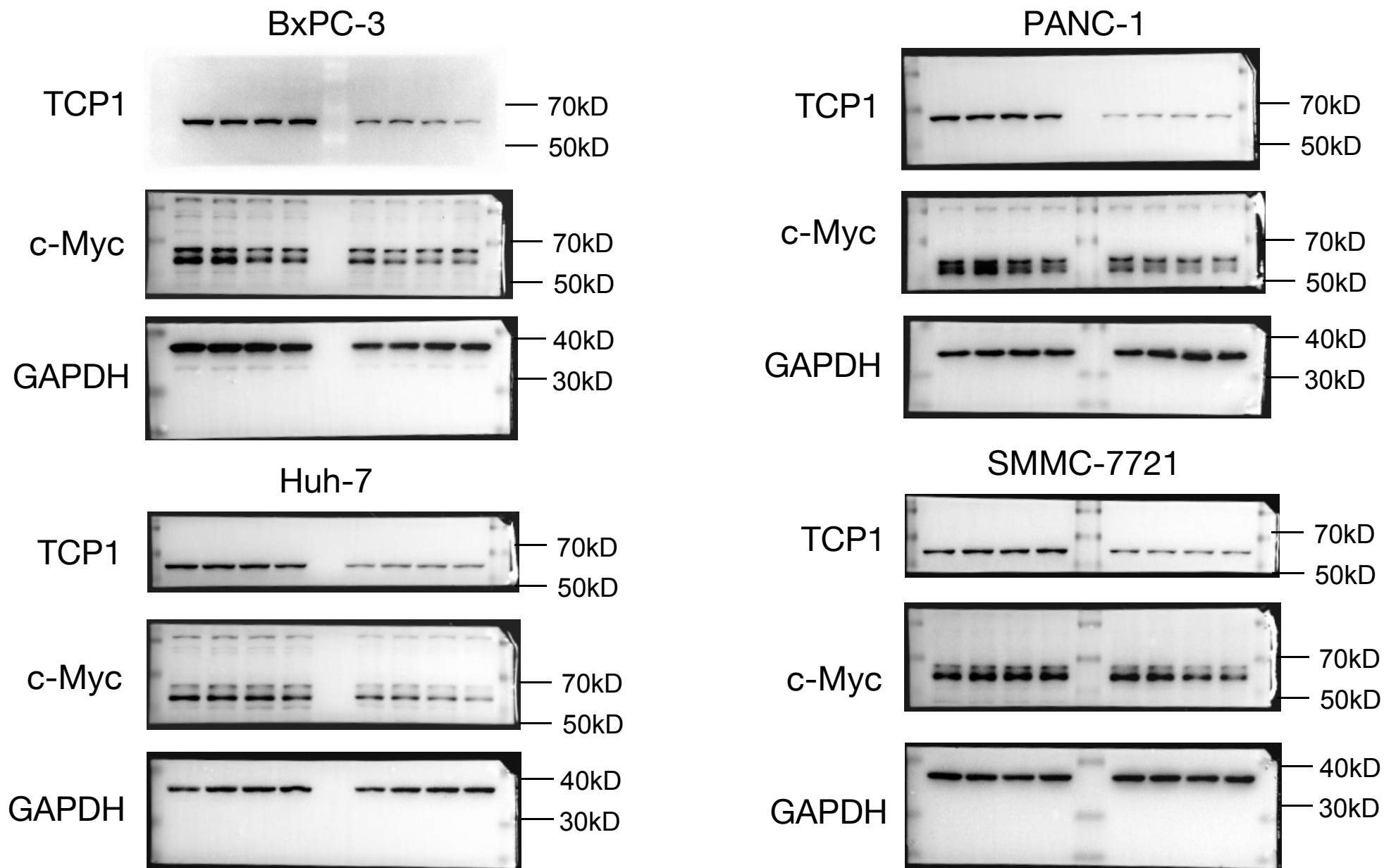
The full unprocessed original images of gels and blots used for Figure 4C.

Fig. 4C



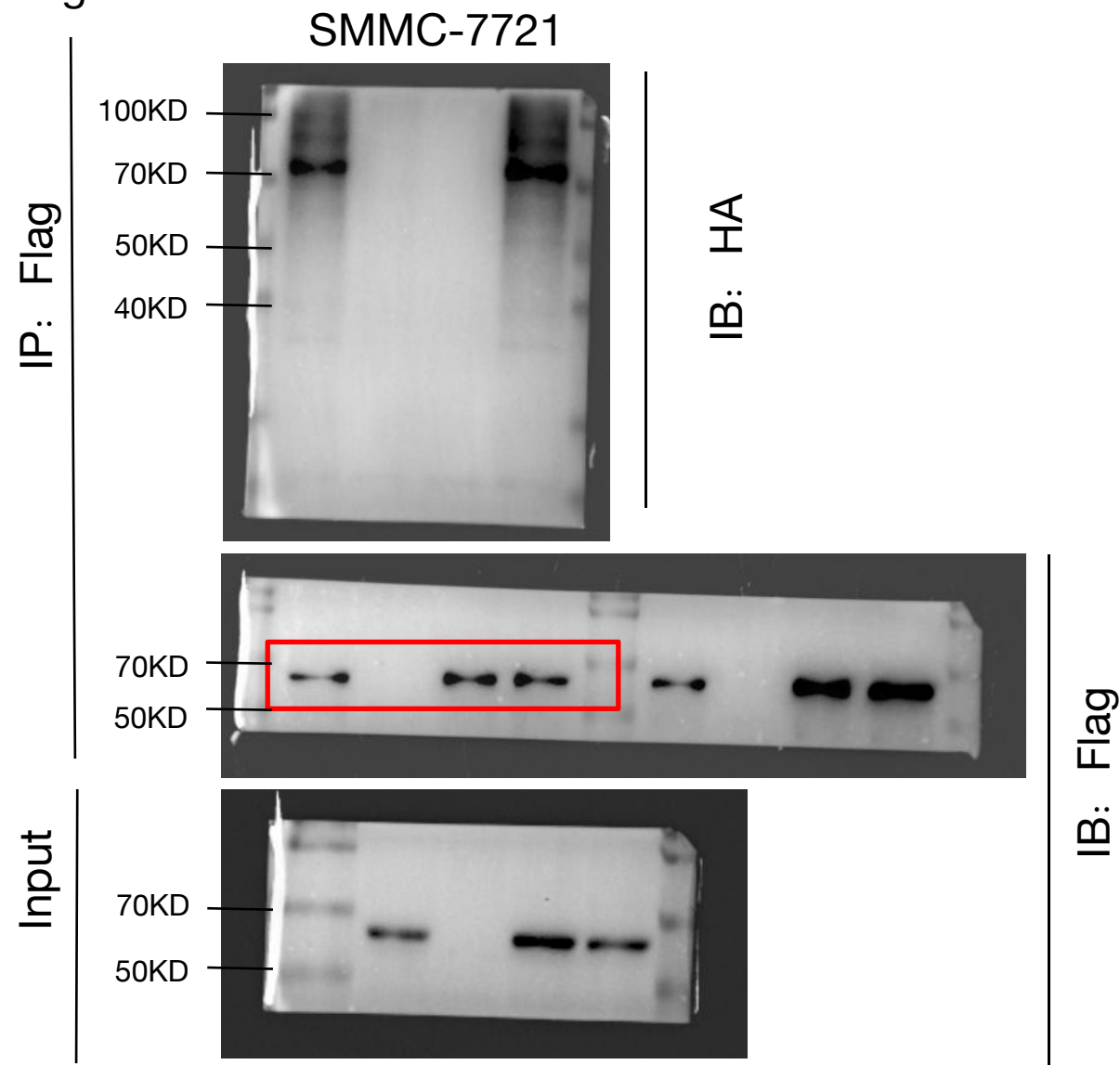
The full unprocessed original images of gels and blots used for Figure 4C.

Fig. 4D



The full unprocessed original images of gels and blots used for Figure 4D.

Fig. 4E



The full unprocessed original images of gels and blots used for **Figure 4E**. Red boxes show approximate image areas used for the final figures.

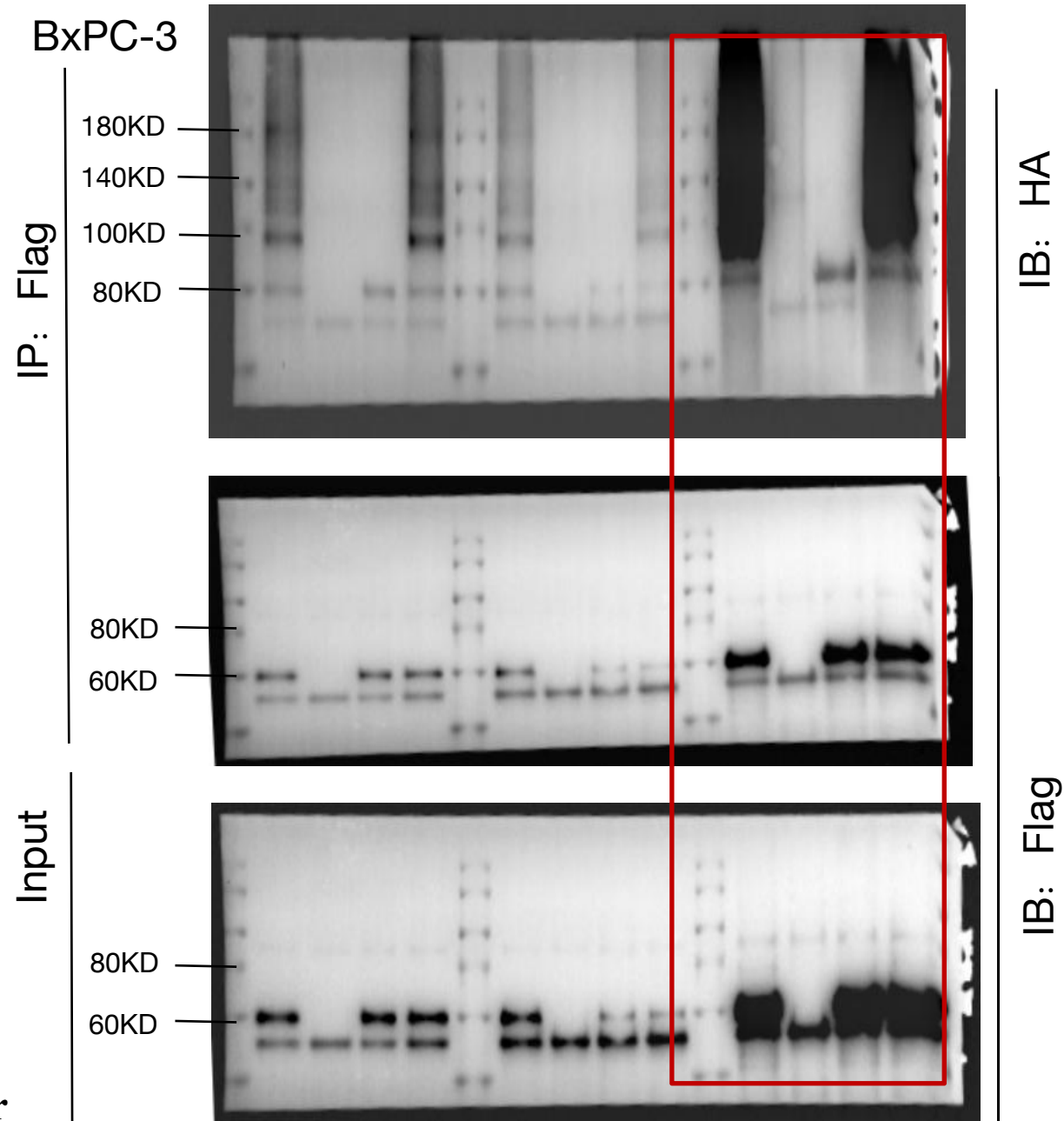
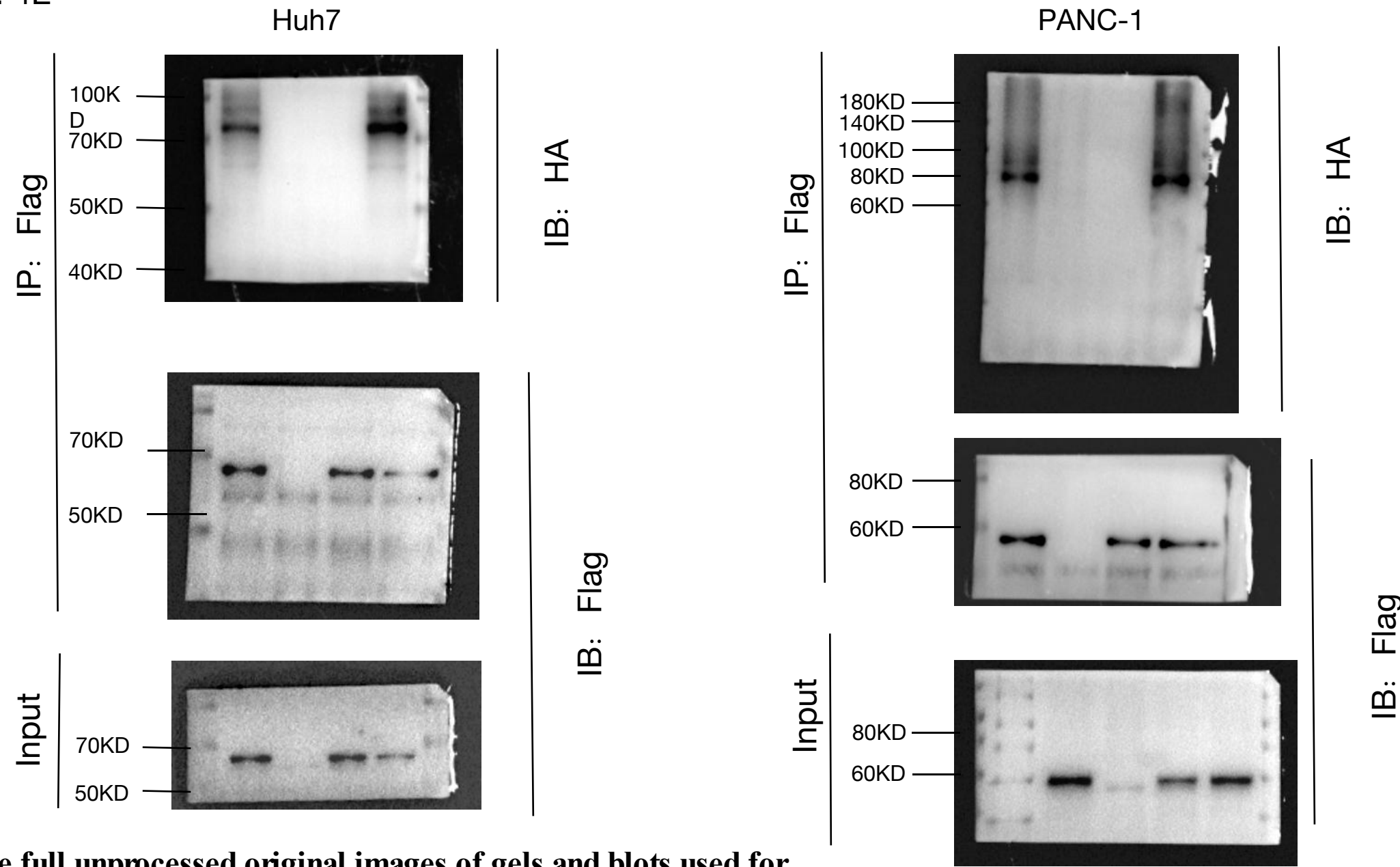


Fig. 4E

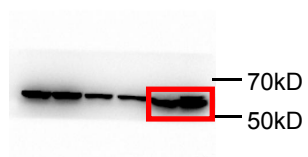


The full unprocessed original images of gels and blots used for Figure 4E.

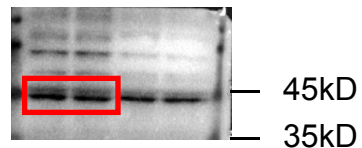
Fig. 5A

Huh-7 (TCP1-OE)

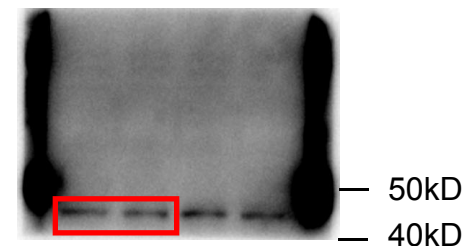
TCP1



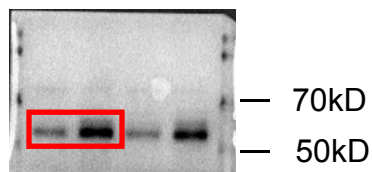
ERK



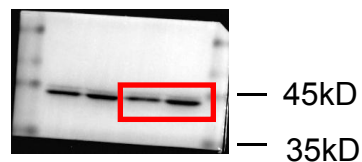
GSK-3 β



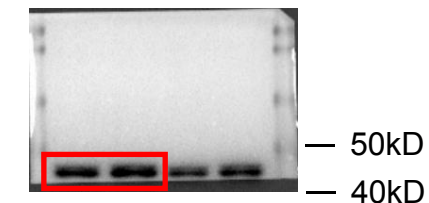
p-c-Myc Ser62



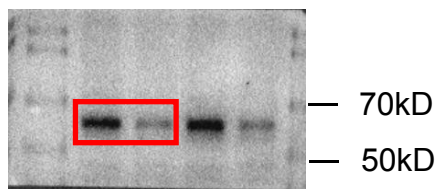
p-ERK



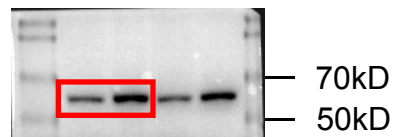
p-GSK-3 β S9



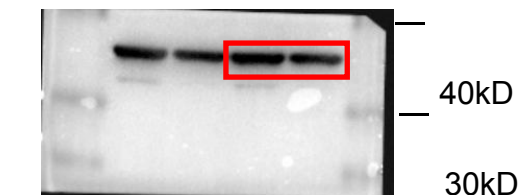
p-c-Myc Thr 58



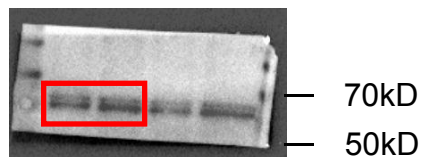
p-Akt S473



GAPDH



c-Myc



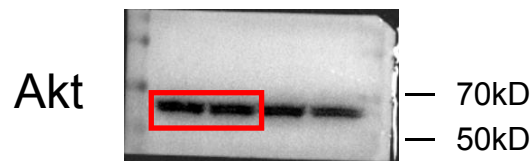
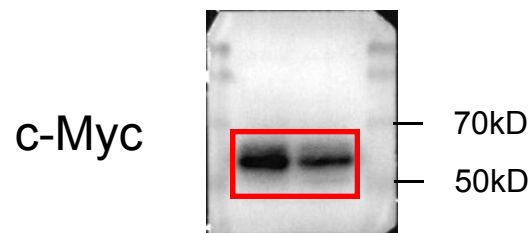
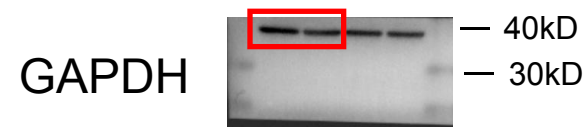
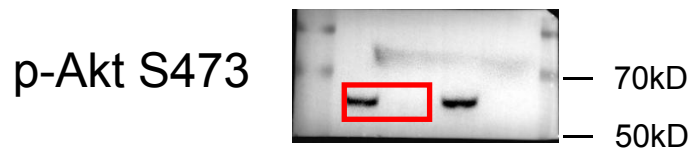
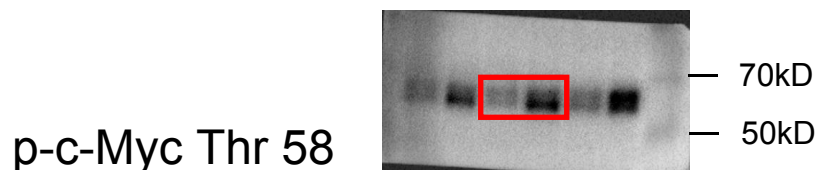
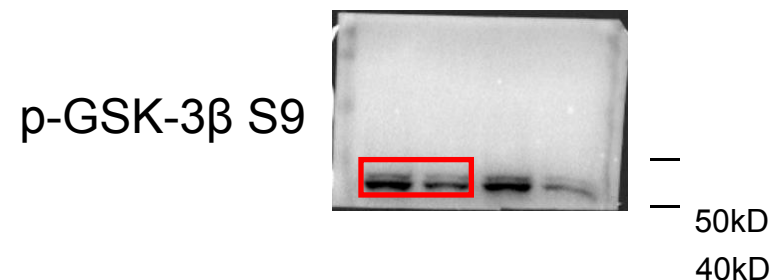
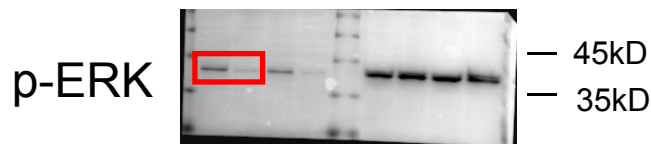
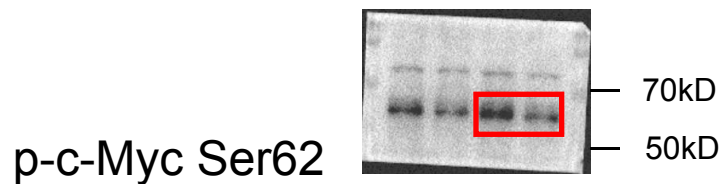
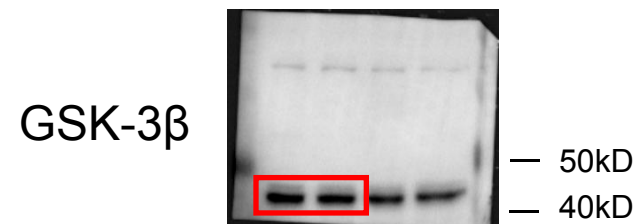
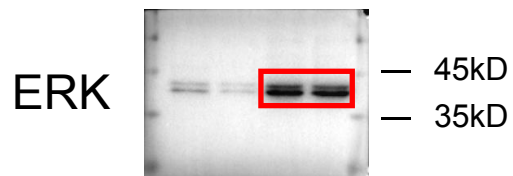
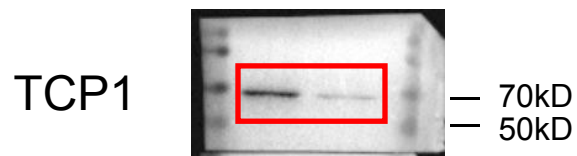
Akt



The full unprocessed original images of gels and blots used for Figure 5A. Red boxes show approximate image areas used for the final figures.

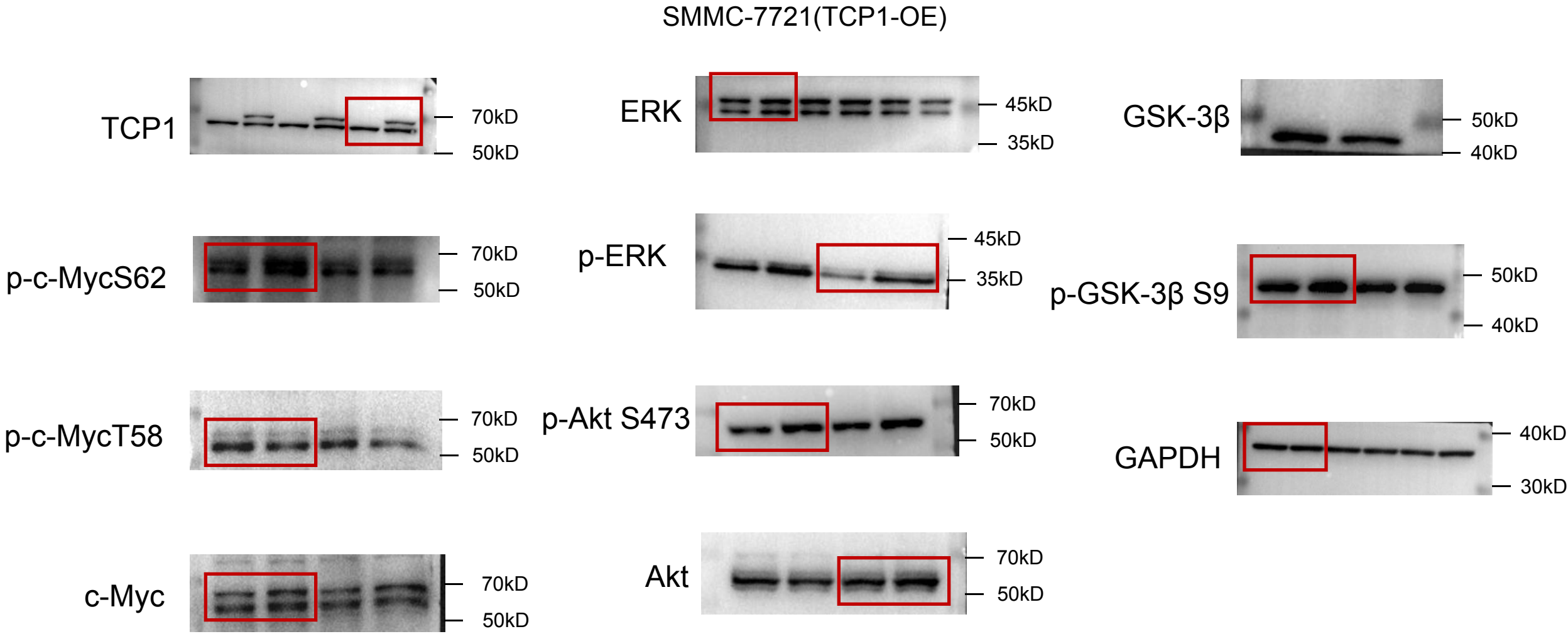
Fig. 5A

Huh-7 (shTCP1)



The full unprocessed original images of gels and blots used for Figure 5A. Red boxes show approximate image areas used for the final figures.

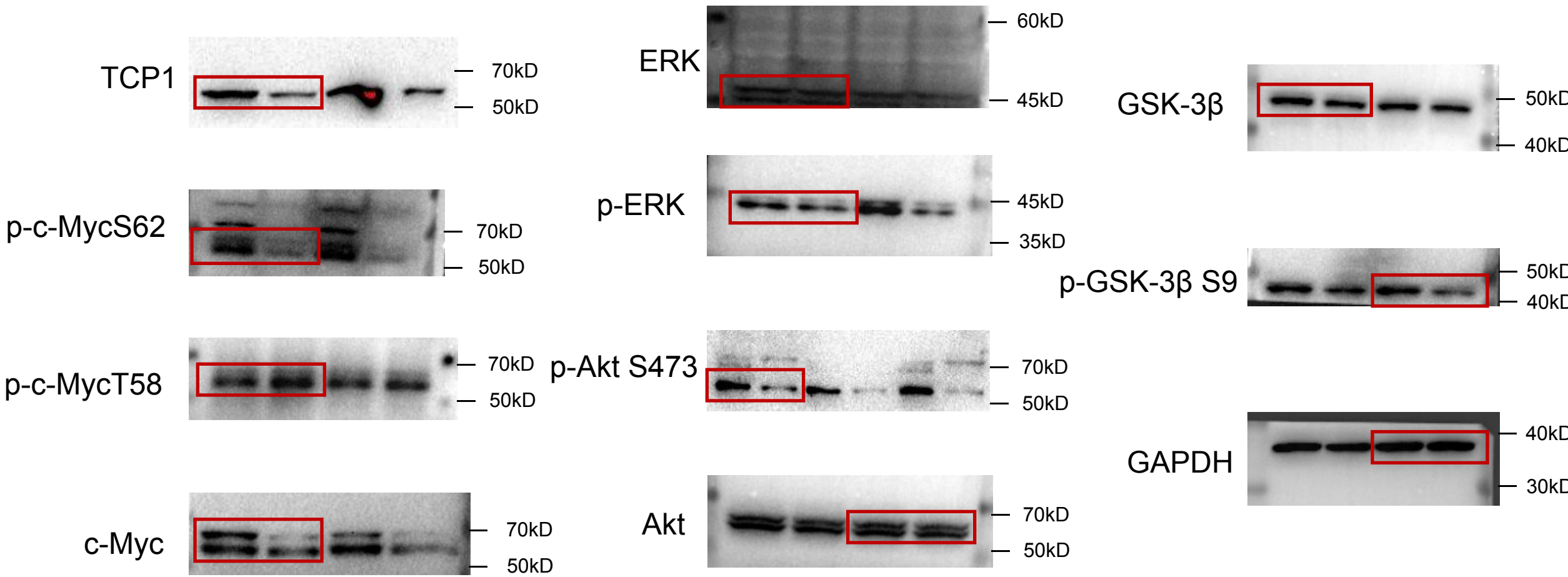
Fig. 5A



The full unprocessed original images of gels and blots used for Figure 5A. Red boxes show approximate image areas used for the final figures.

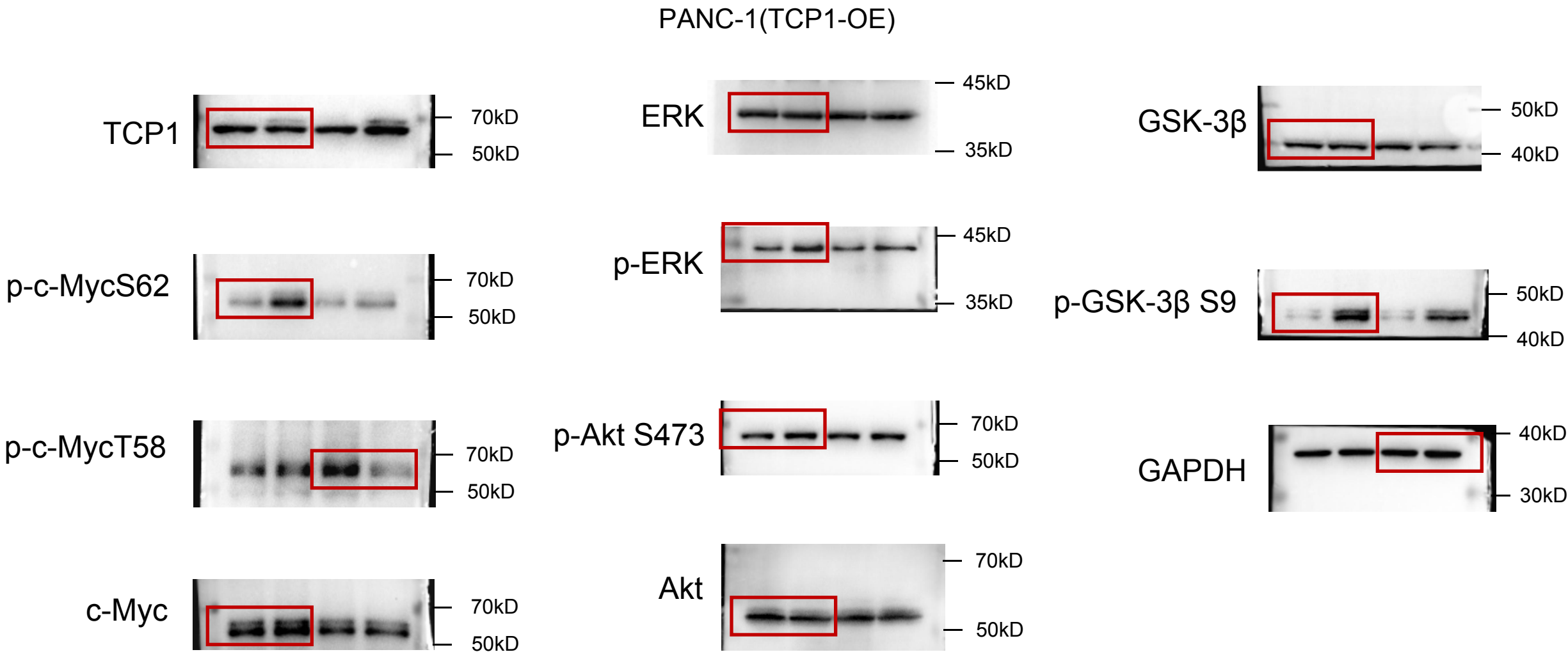
Fig. 5A

SMMC-7721(shTCP1)



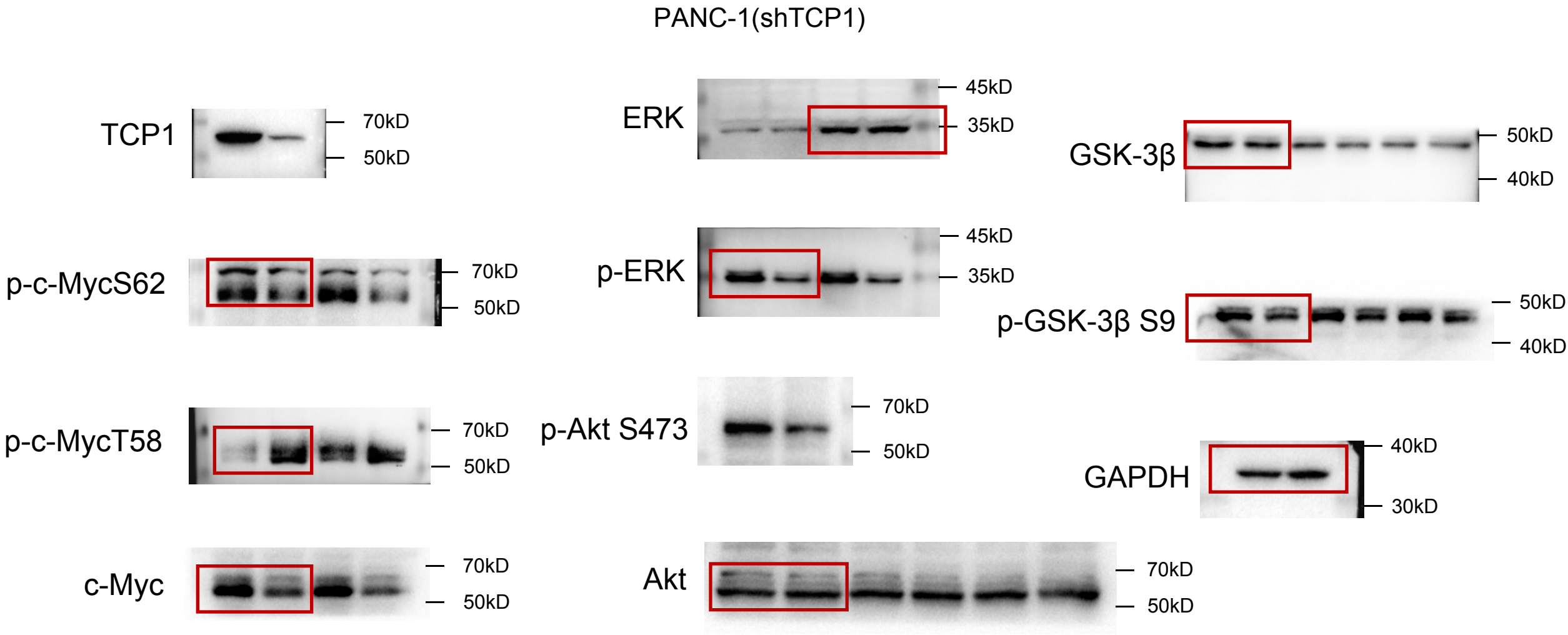
The full unprocessed original images of gels and blots used for Figure 5A. Red boxes show approximate image areas used for the final figures.

Fig. 5B



The full unprocessed original images of gels and blots used for Figure 5B. Red boxes show approximate image areas used for the final figures.

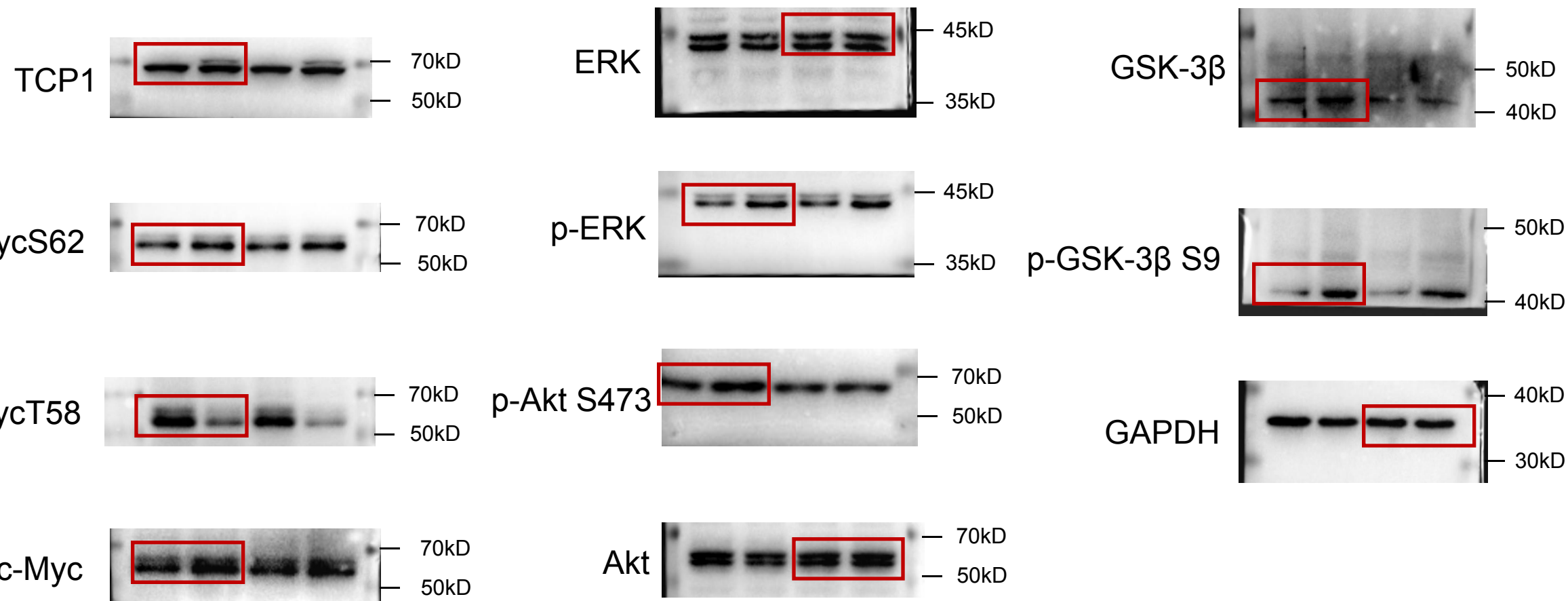
Fig. 5B



The full unprocessed original images of gels and blots used for Figure 5B. Red boxes show approximate image areas used for the final figures.

Fig. 5B

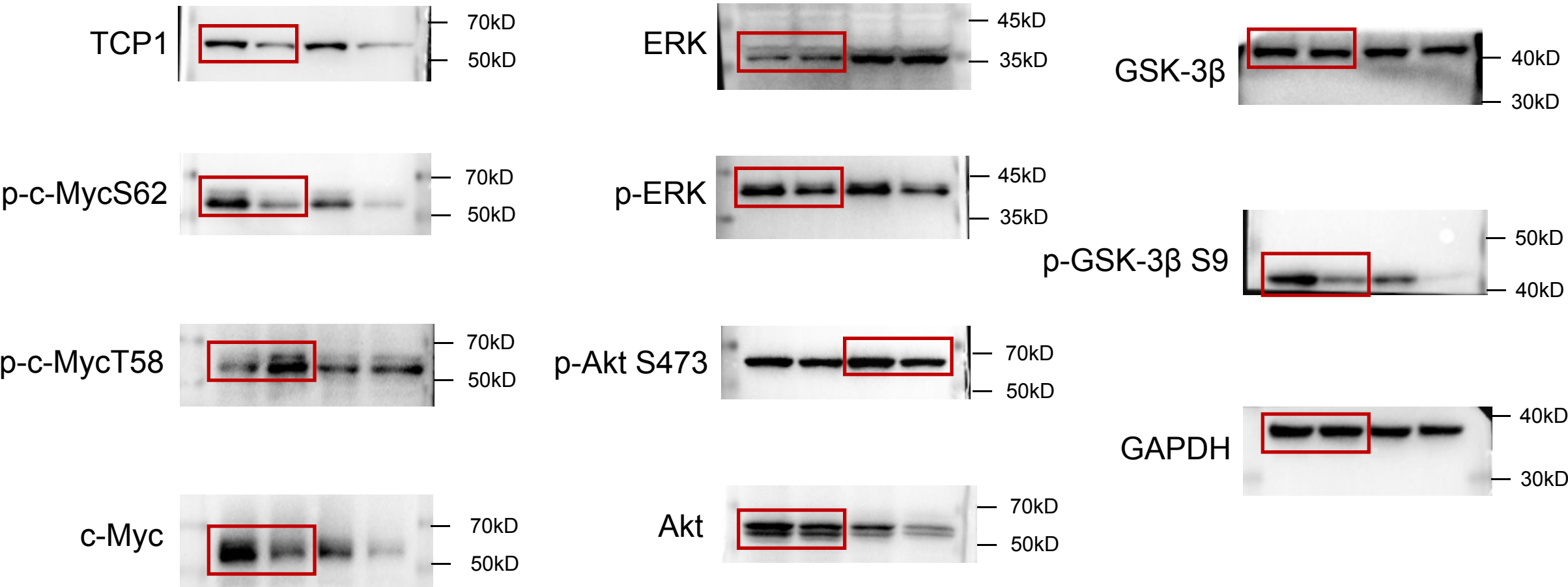
BxPC-3 (TCP1-OE)



The full unprocessed original images of gels and blots used for Figure 5B. Red boxes show approximate image areas used for the final figures.

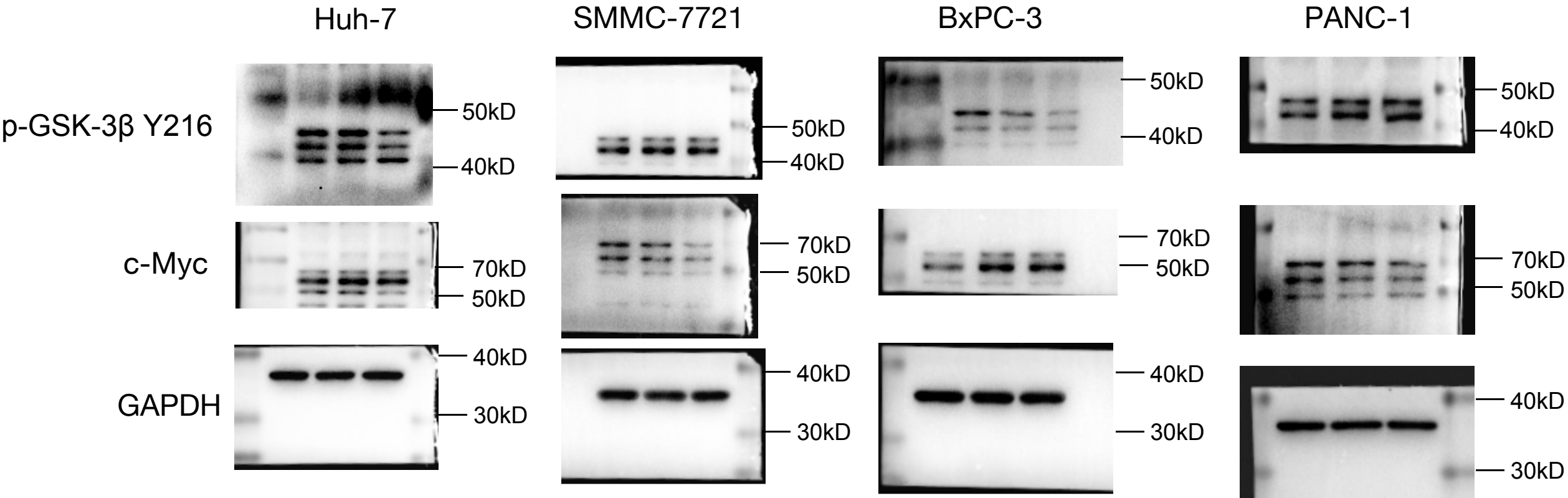
Fig. 5B

BxPC-3 (shTCP1)



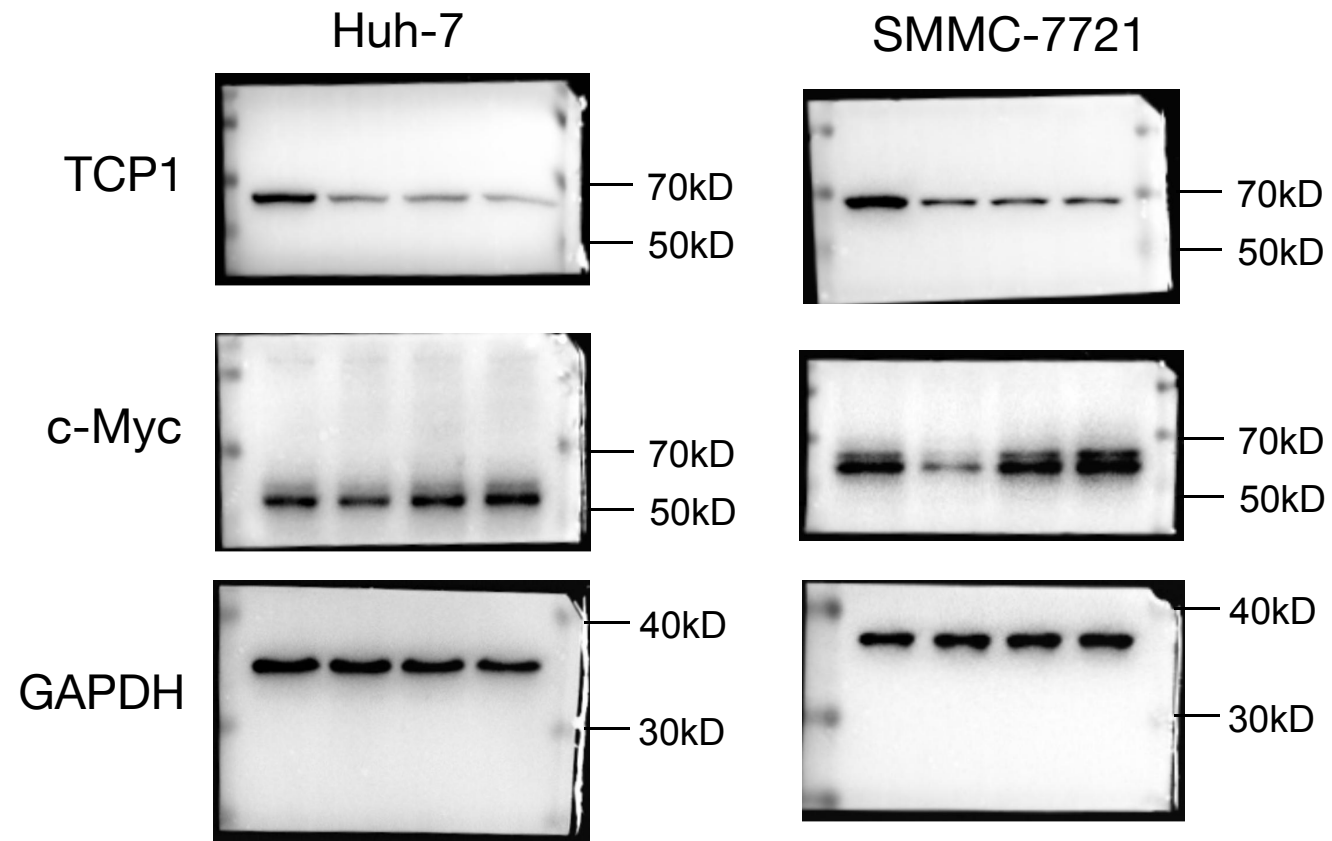
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Fig. 5D



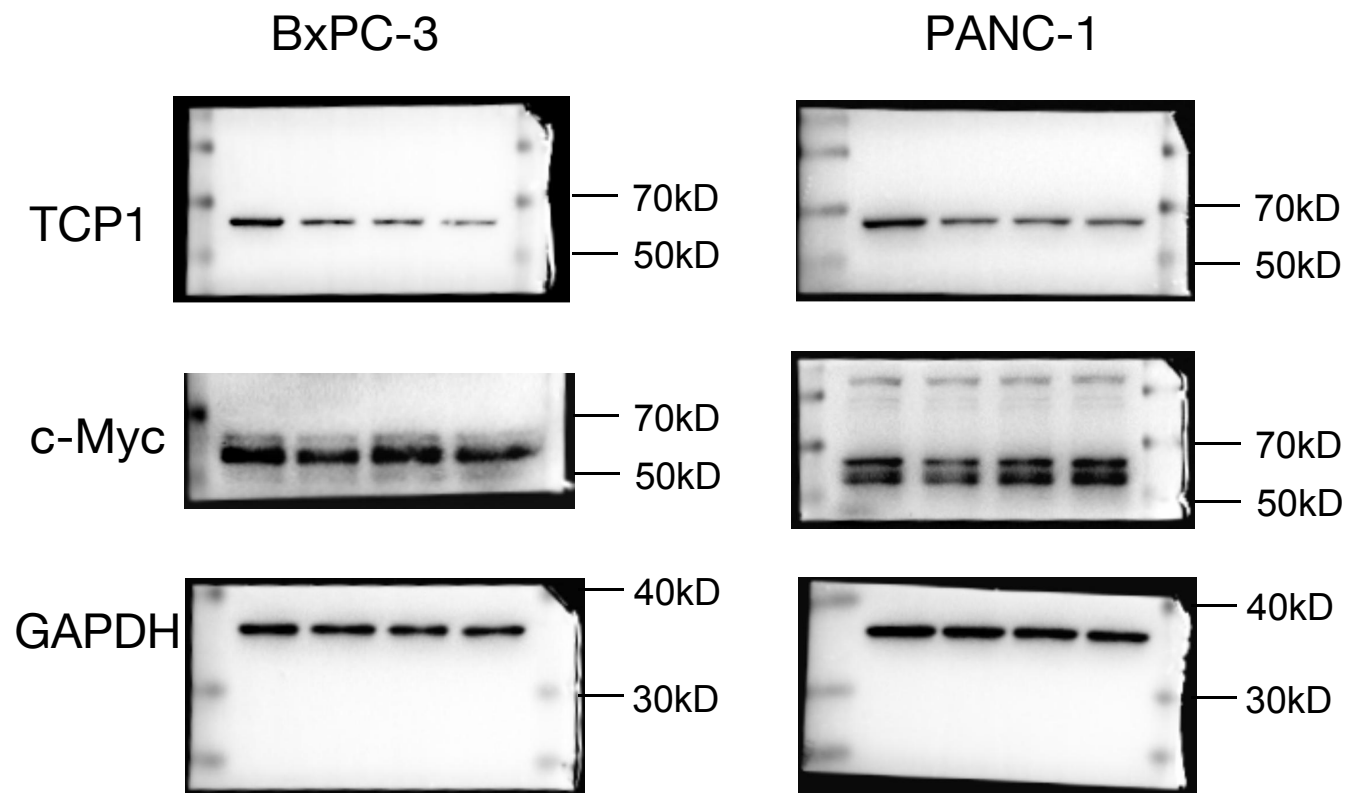
The full unprocessed original images of gels and blots used for Figure 5D.

Fig. 5E



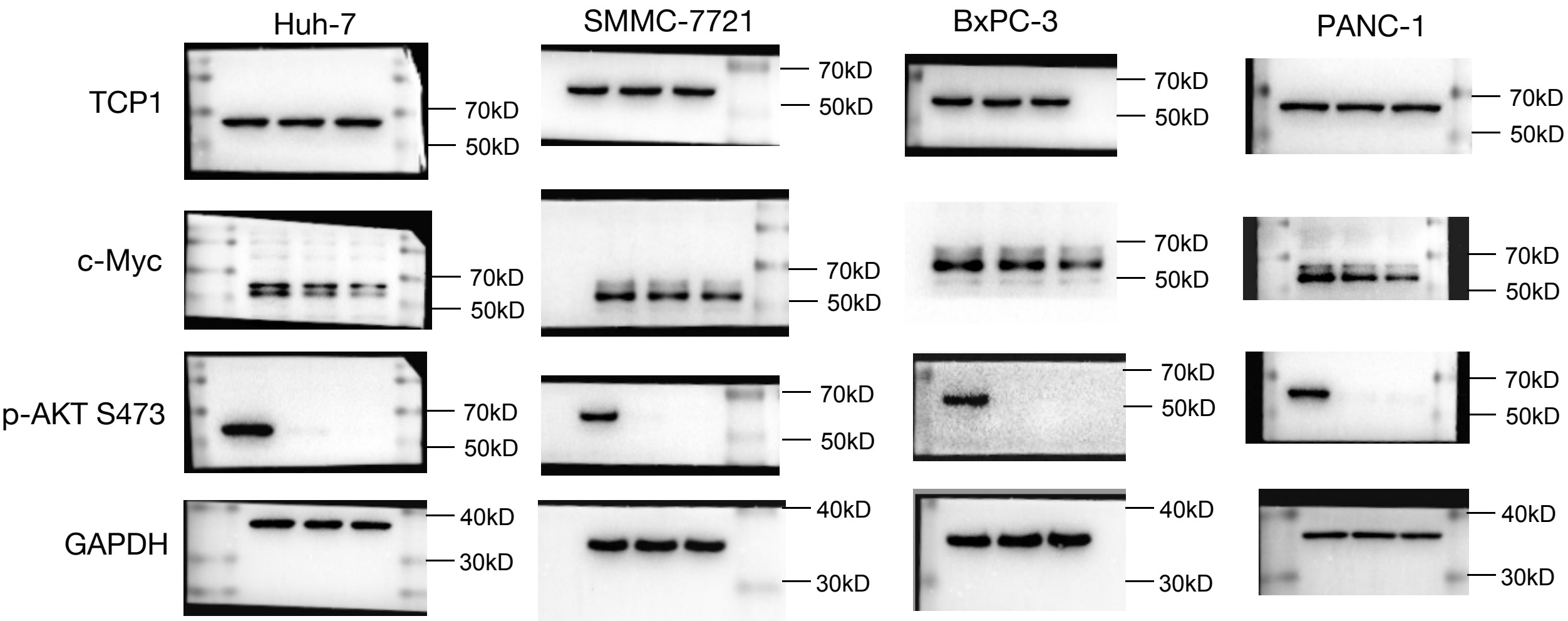
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Fig. 5G



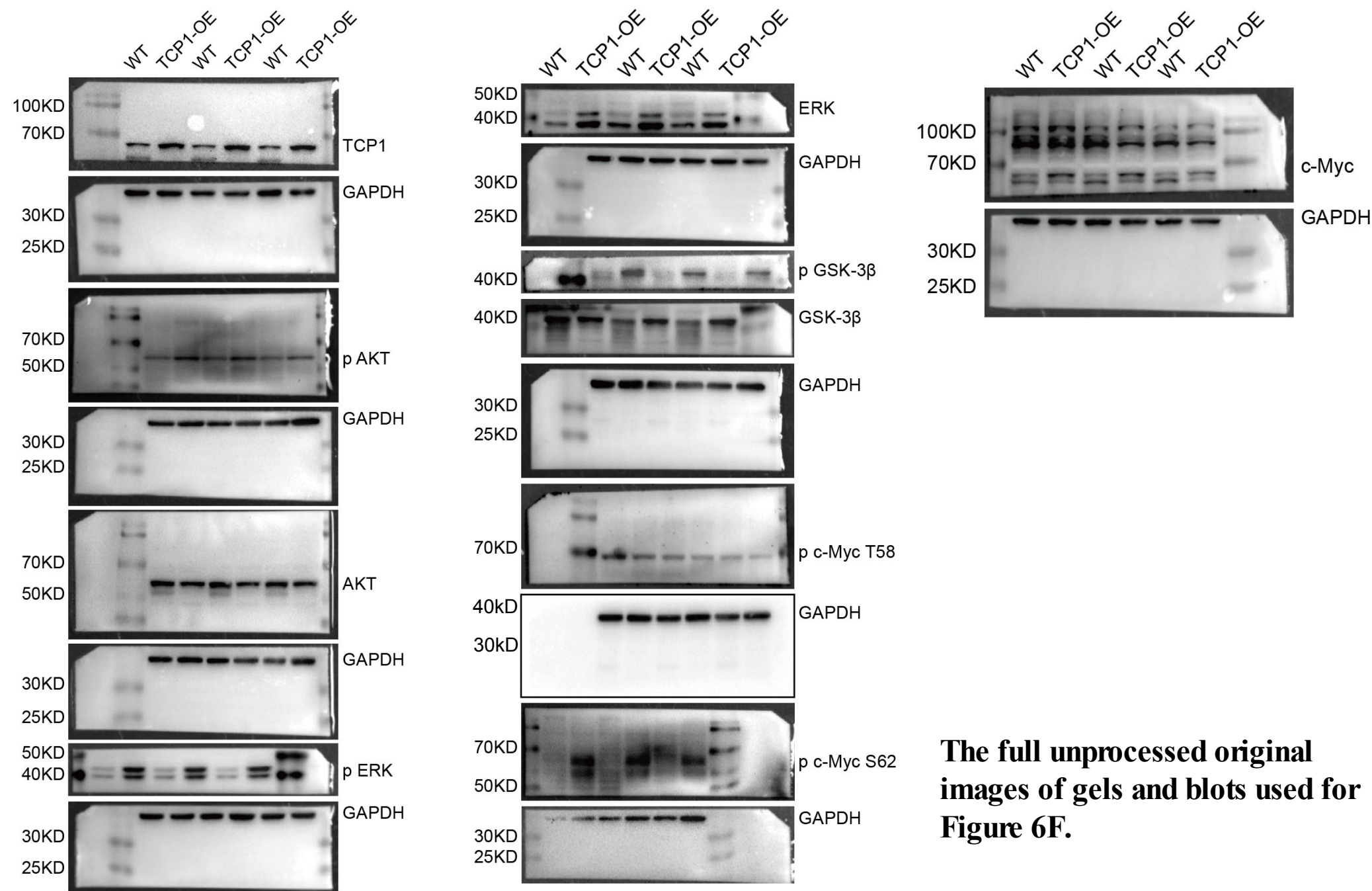
The full unprocessed original images of gels and blots used for Figure 5G.

Fig. 5F



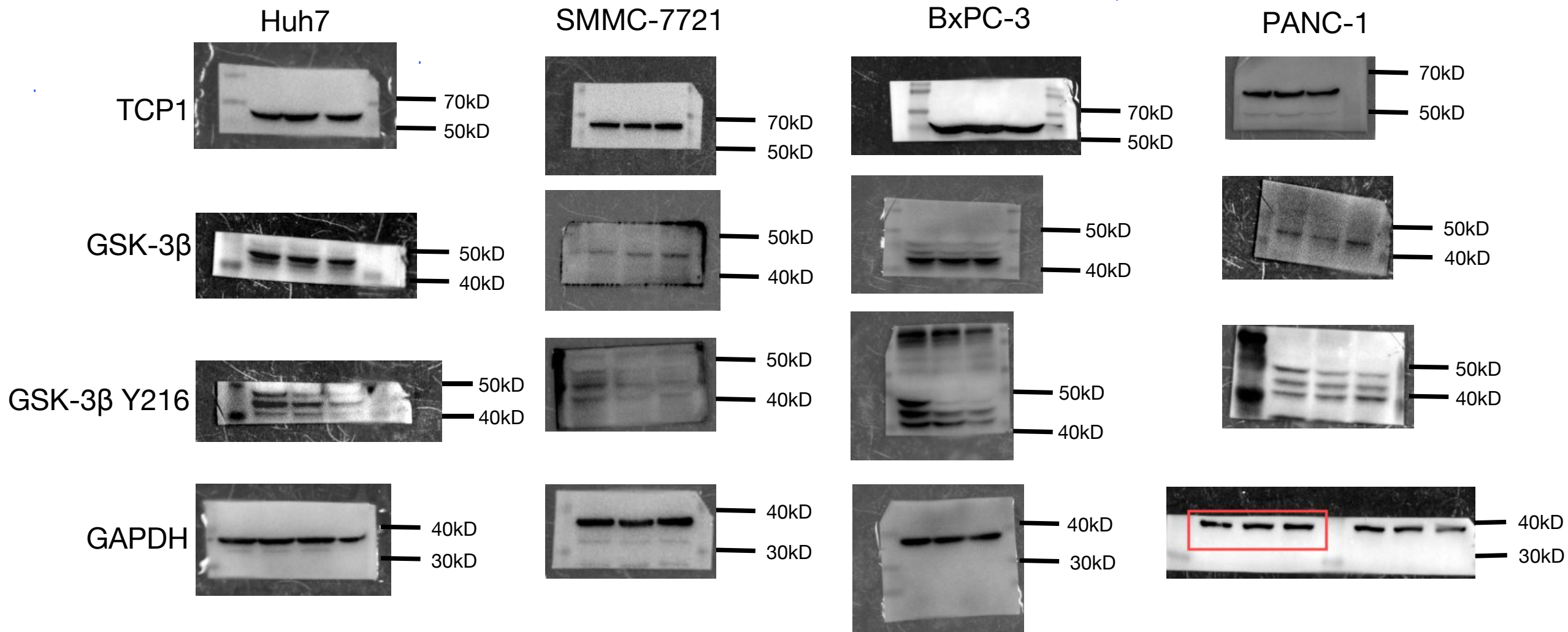
The full unprocessed original images of gels and blots used for Figure 5F.

Fig. 6F



The full unprocessed original images of gels and blots used for Figure 6F.

Supplementary Fig. 2



The full unprocessed original images of gels and blots used for Supplementary Figure 2. Red boxes show approximate image areas used for the final figures