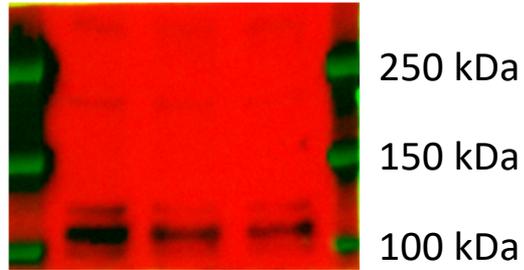


Supplemental Figure 5

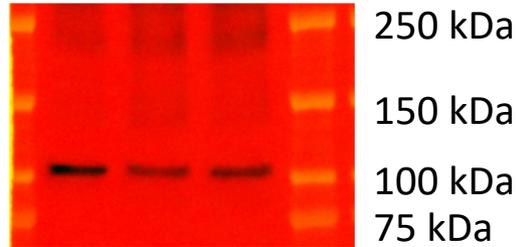
Whole blots of western blot analysis

Figure 1A

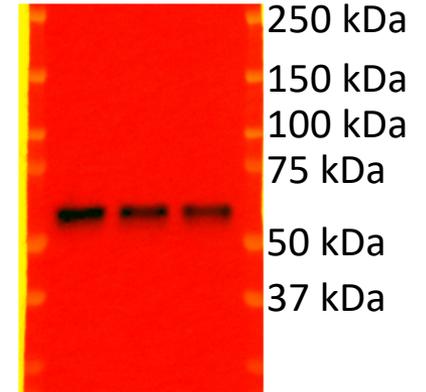
TIE-1 (125 kDa)



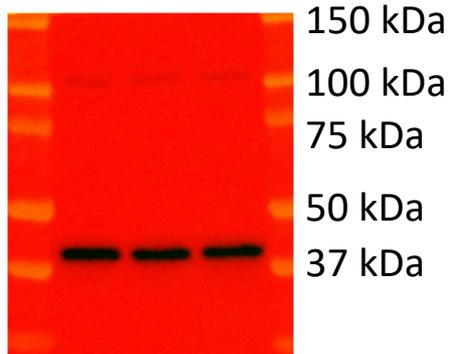
PI3K p110 α (110 kDa)



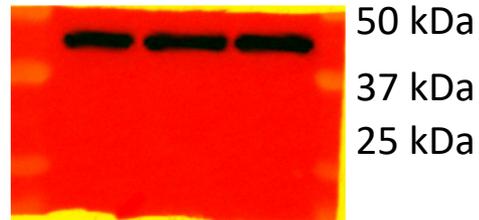
p-AKT (60 kDa)



PTEN (42 kDa)



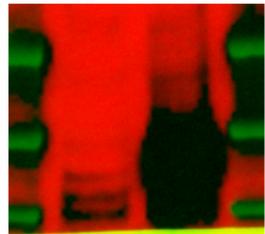
β -actin (42 kDa)



densitometry readings	Control siRNA	TIE-1 siRNA-1	TIE-1 siRNA-2
TIE-1	81.3	28.8	35.2
PI3K p110 α	30.1	19.1	22.5
p-AKT	63.6	49.9	42.5
PTEN	52.1	47.3	48.0
β -actin	63.7	73.0	73.9

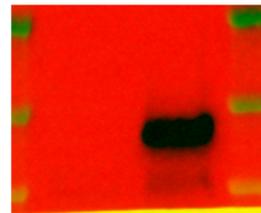
Figure 1D

TIE-1 (125 kDa)



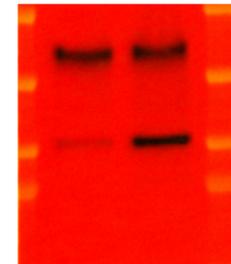
250 kDa
150 kDa
100 kDa

V5-tagged TIE-1
(125 kDa)



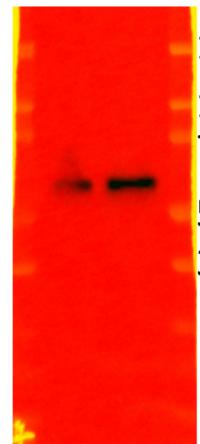
250 kDa
150 kDa
100 kDa

PI3K p110 α (110 kDa)



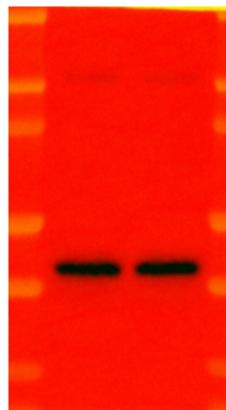
250 kDa
150 kDa
100 kDa
75 kDa

p-AKT (60 kDa)



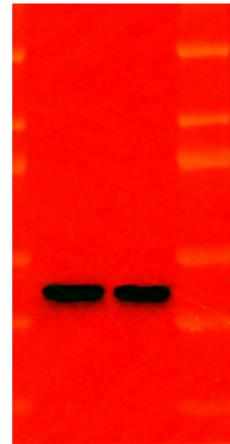
150 kDa
100 kDa
75 kDa
50 kDa
37 kDa

PTEN (42 kDa)



150 kDa
100 kDa
75 kDa
50 kDa
37 kDa

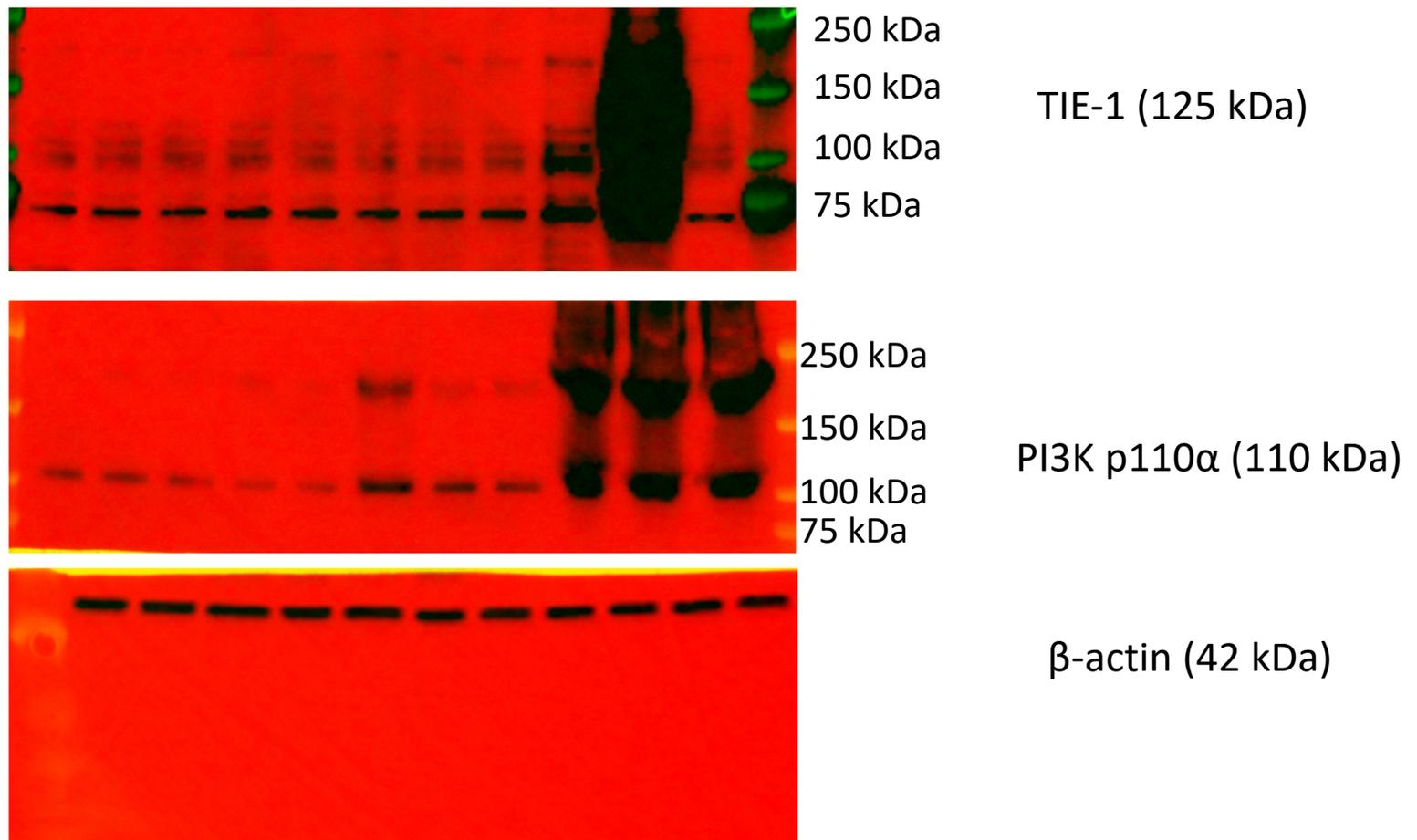
β -actin (42 kDa)



150 kDa
100 kDa
75 kDa
50 kDa
37 kDa

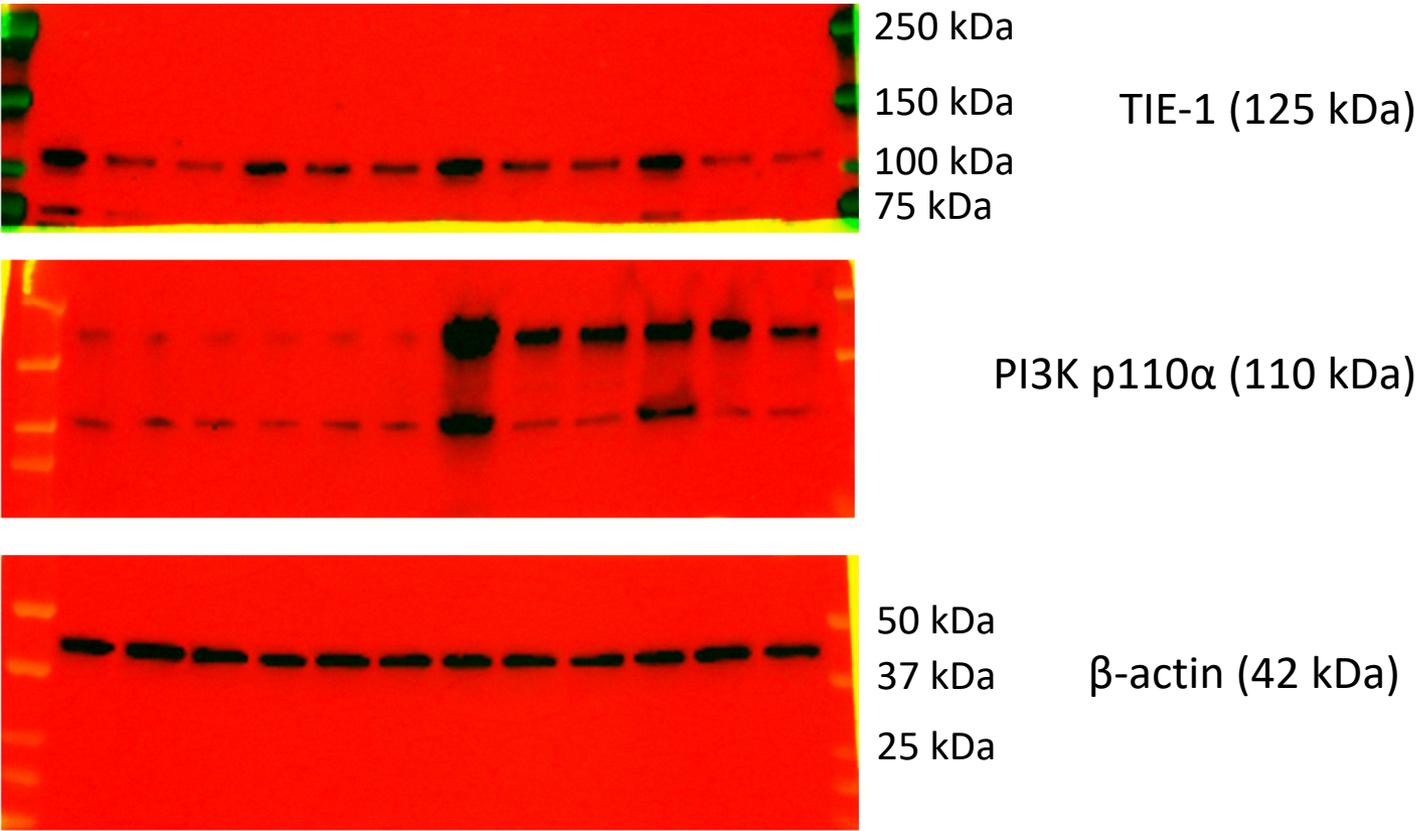
densitometry readings	Empty vector	TIE-1-V5 vector
TIE-1	105.3	453.4
V5-tagged TIE-1	5.5	68.3
PI3K p110 α	8.1	42.2
p-AKT	29.7	57.3
PTEN	51.7	51.4
β -actin	25.4	22.3

Figure 2A



densitometry readings	TOV112D	A2780	A2780cp	PE01	PE04	CAOV3	JHOC5	JHOC7	JHOC8	ES2	SKOV 3
TIE-1	34.5	46.2	46.6	55.4	54.9	54.9	52.9	54.2	148.3	528.1	56.1
PI3K p110α	19.0	13.9	14.2	8.7	10.9	50.3	29.2	23.1	115.4	106.0	103.9
β-actin	15.3	14.7	17.0	13.6	15.5	13.8	12.5	12.4	12.6	13.9	12.5

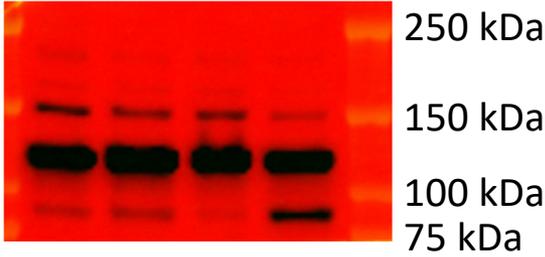
Figure 2E



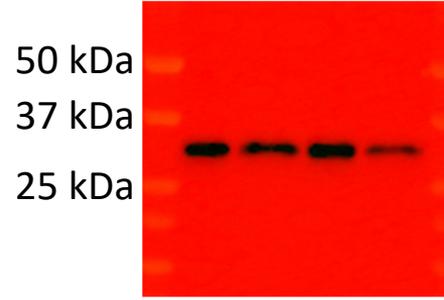
densitometry readings	Tov con	Tov TIE-1 si-1	Tov TIE-1 si-2	A2780 con	A2780 TIE-1 si-1	A2780 TIE-1 si-2	SK con	SK TIE-1 si-1	SK TIE-1 si-2	CAOV3 con	CAOV3 TIE-1 si-1	CAOV3 TIE-1 si-2
TIE-1	65.4	21.7	13.3	43.4	28.7	27.7	64.3	30.3	25.4	58.8	15.0	11.8
PI3K p110α	13.8	14.3	11.9	7.6	12.8	13.0	107.3	14.9	13.3	73.8	10.6	9.5
β-actin	70.4	84.9	70.9	53.8	64.5	60.4	60.1	61.4	58.1	64.3	75.4	62.0

Figure 3I

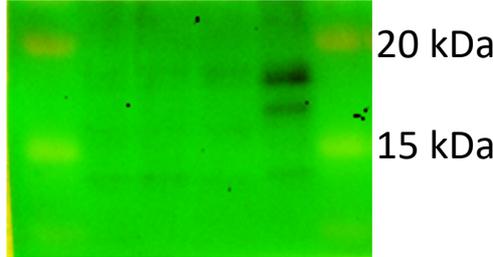
PARP (116 kDa)
Cleaved PARP (89 kDa)



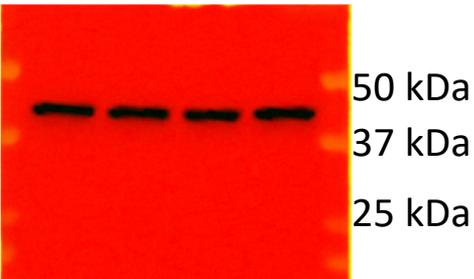
Procaspase-3 (35 kDa)



Cleaved caspase-3
(17,19 kDa)

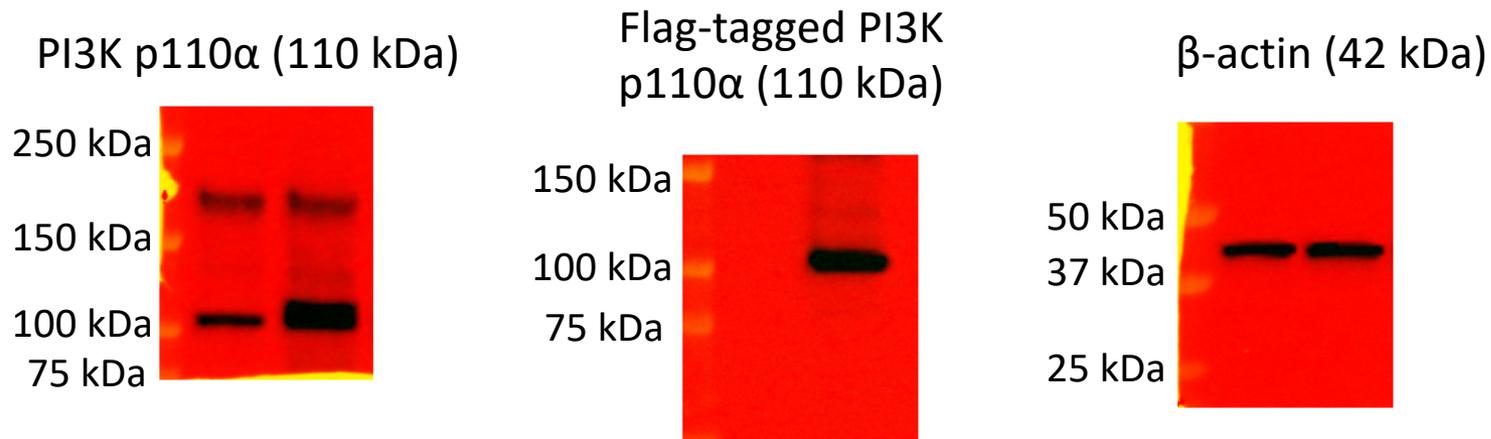


β -actin (42 kDa)



densitometry readings	Tov112D control siRNA	Tov112D TIE-1 siRNA	SKOV3 control siRNA	SKOV3 TIE-1 siRNA
PARP	117.6	135.4	114.3	111.7
Cleaved PARP	16.8	20.3	8.7	49.5
Procaspase-3	69.2	64.5	75.9	36.2
Cleaved caspase-3	64.5	72.5	81.5	152.5
β -actin	51.8	48.7	44.3	51.0

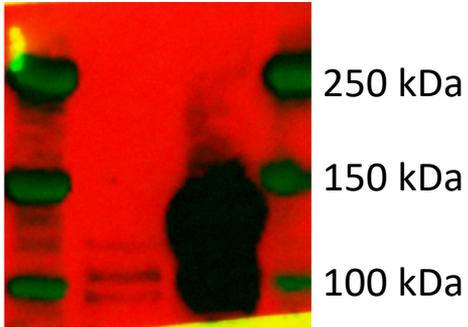
Figure 4A



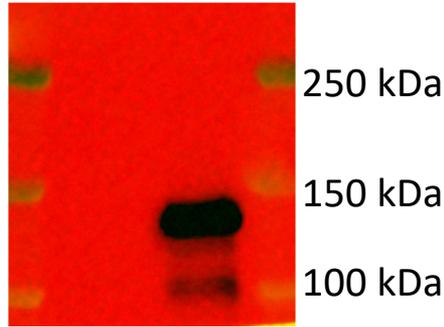
densitometry readings	Empty vector	PI3K-Flag-vector
TIE-1	1.7	81.4
PI3K p110α	34.0	100.9
β-actin	59.7	68.7

Figure 4E

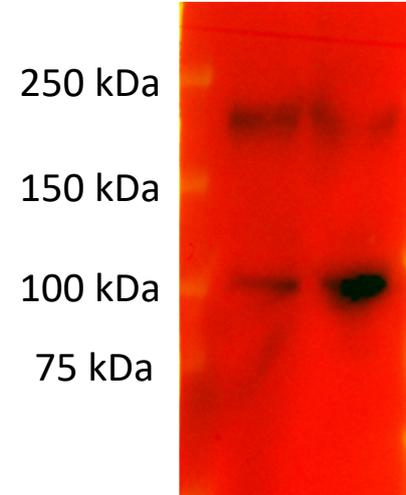
TIE-1 (125 kDa)



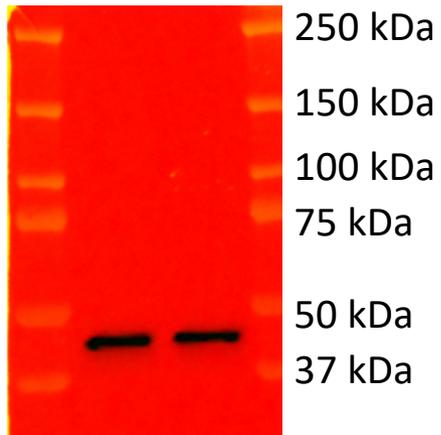
V5-tagged TIE-1 (125 kDa)



PI3K p110 α (110 kDa)

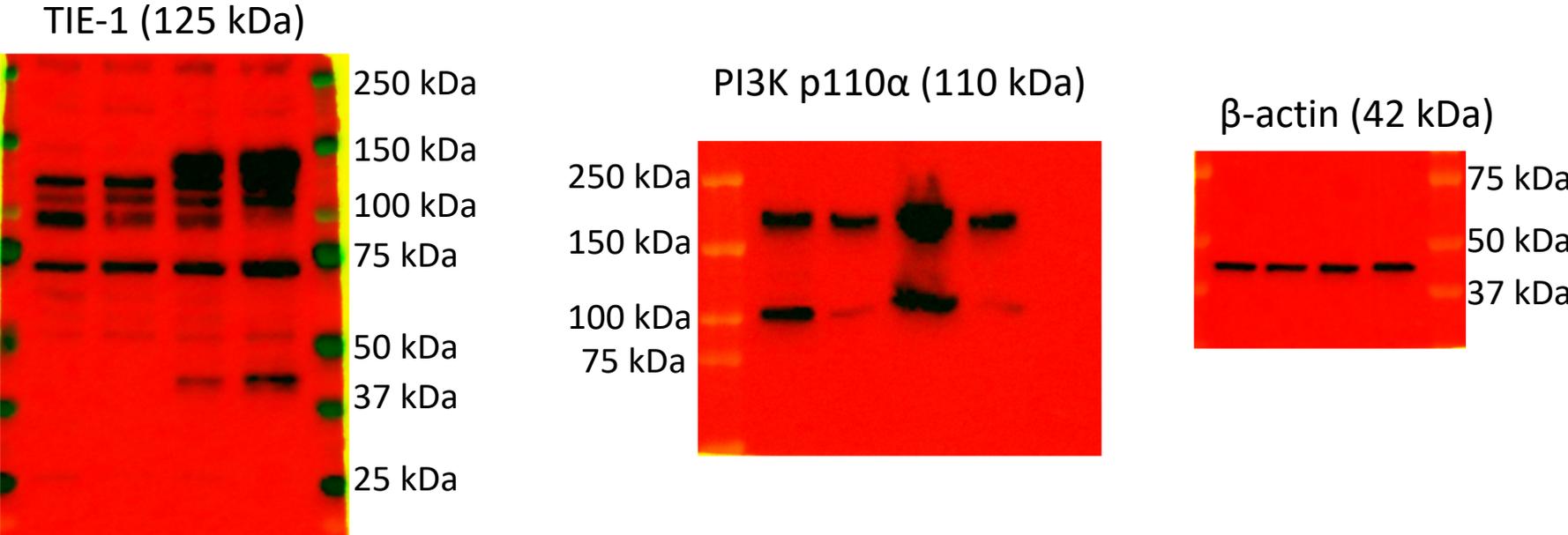


β -actin (42 kDa)



densitometry readings	Empty vector polyclone cells	TIE-1 stably overexpressing polyclone
TIE-1	58.1	357.4
V5-tagged TIE-1	5.5	64.1
PI3K p110 α	43.1	81.2
β -actin	59.3	53.2

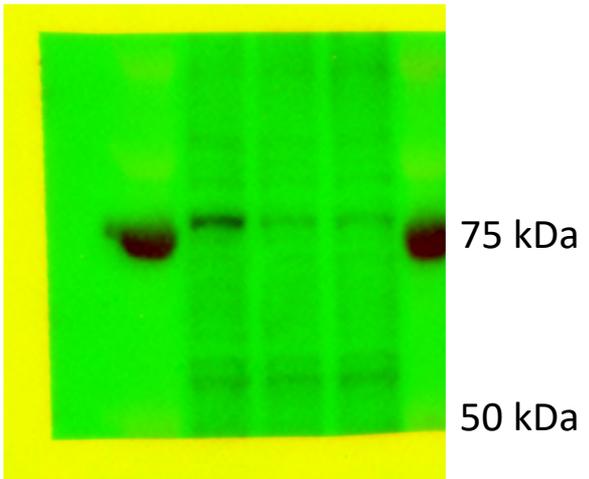
Figure 4I



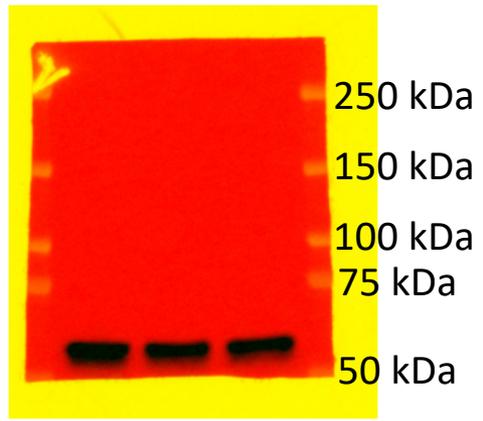
densitometry readings	Empty-control siRNA	Empty-PI3K siRNA	TIE-1-control siRNA	TIE-1-PI3K siRNA
TIE-1	70.1	84.0	180.9	231.9
PI3K p110α	51.7	6.6	96.9	6.2
β-actin	27.1	26.7	27.8	33.0

Supplemental Figure 1

p-PI3K p85 (85 kDa)
p-PI3K p55 (60 kDa)

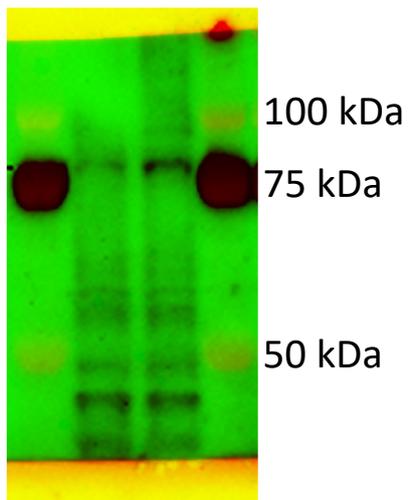


AKT (60 kDa)

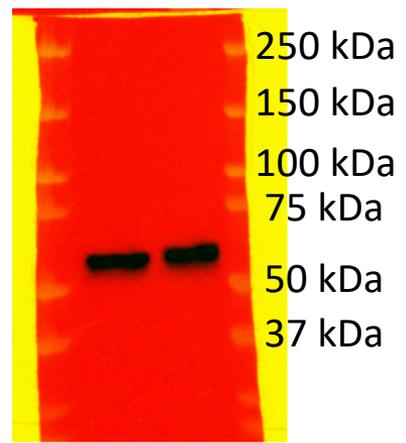


densitometry readings	Control siRNA	TIE-1 siRNA-1	TIE-1 siRNA-2
p-PI3K p85	32.8	16.9	18.6
p-PI3K p55	23.2	21.4	22.8
AKT	77.9	67.6	68.3

p-PI3K p85 (85 kDa)
p-PI3K p55 (60 kDa)



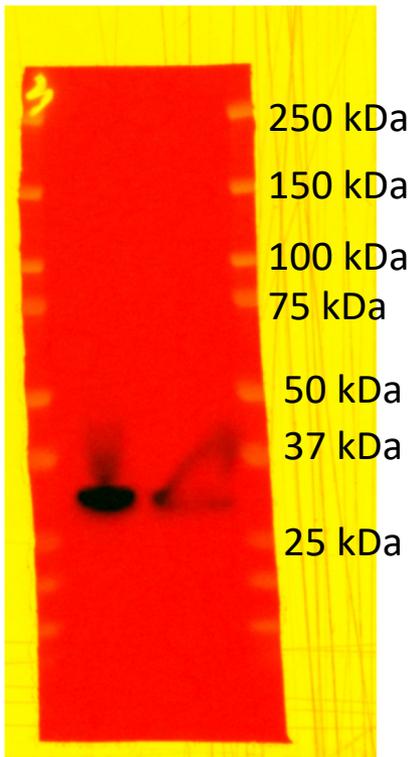
AKT (60 kDa)



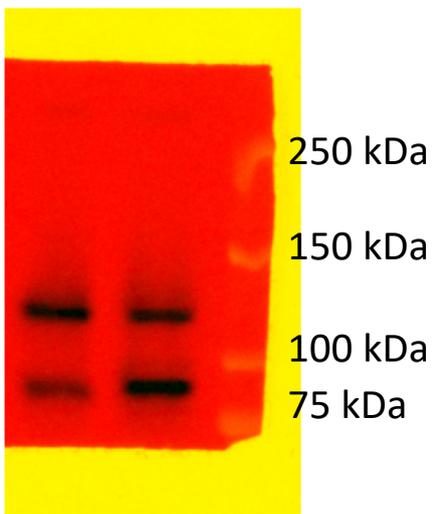
densitometry readings	Empty vector	TIE-1-V5 vector
p-PI3K p85	33.7	47.3
p-PI3K p55	36.7	36.6
AKT	73.9	71.7

Supplemental Figure 4

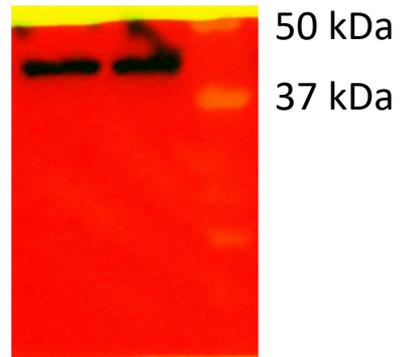
Procaspase-3 (35 kDa)



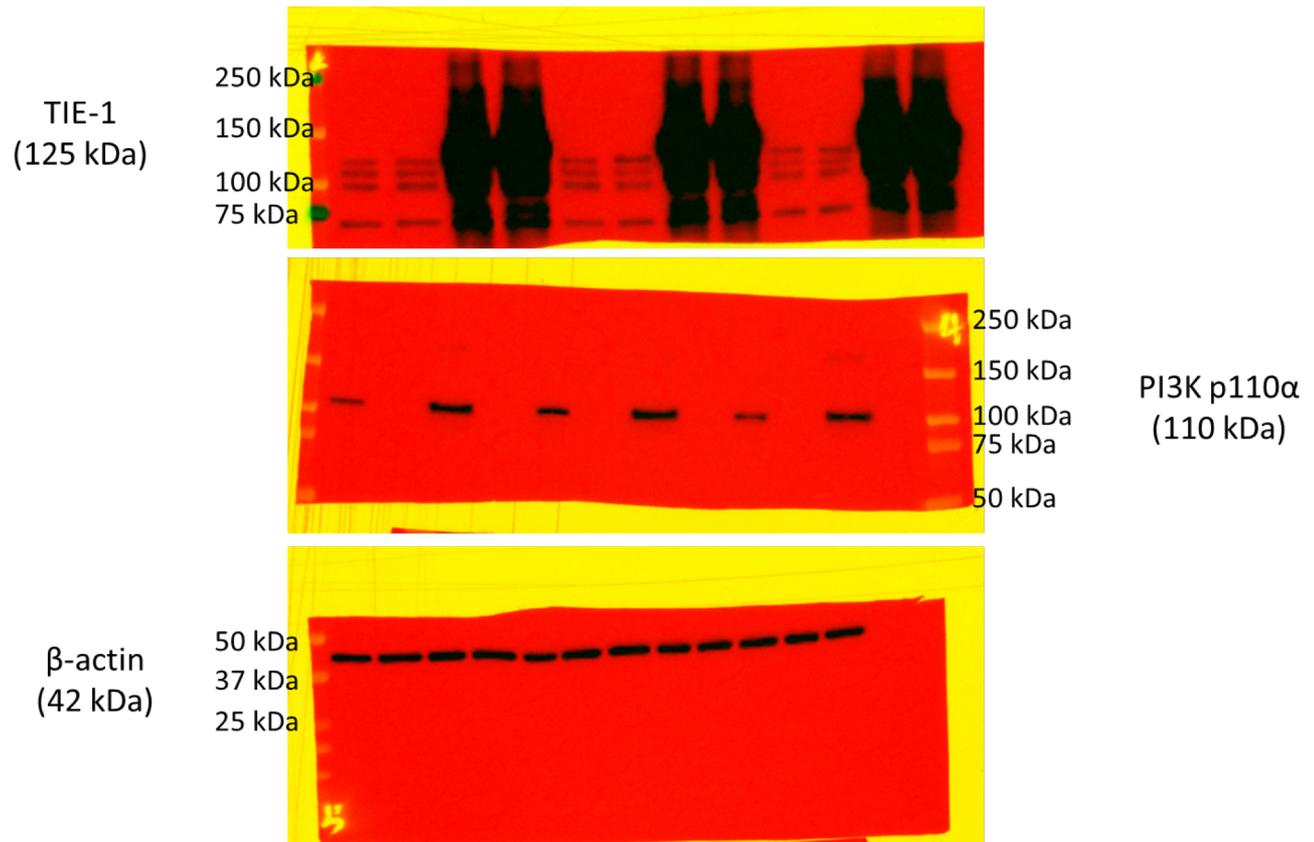
PARP (116 kDa)
Cleaved PARP (89 kDa)



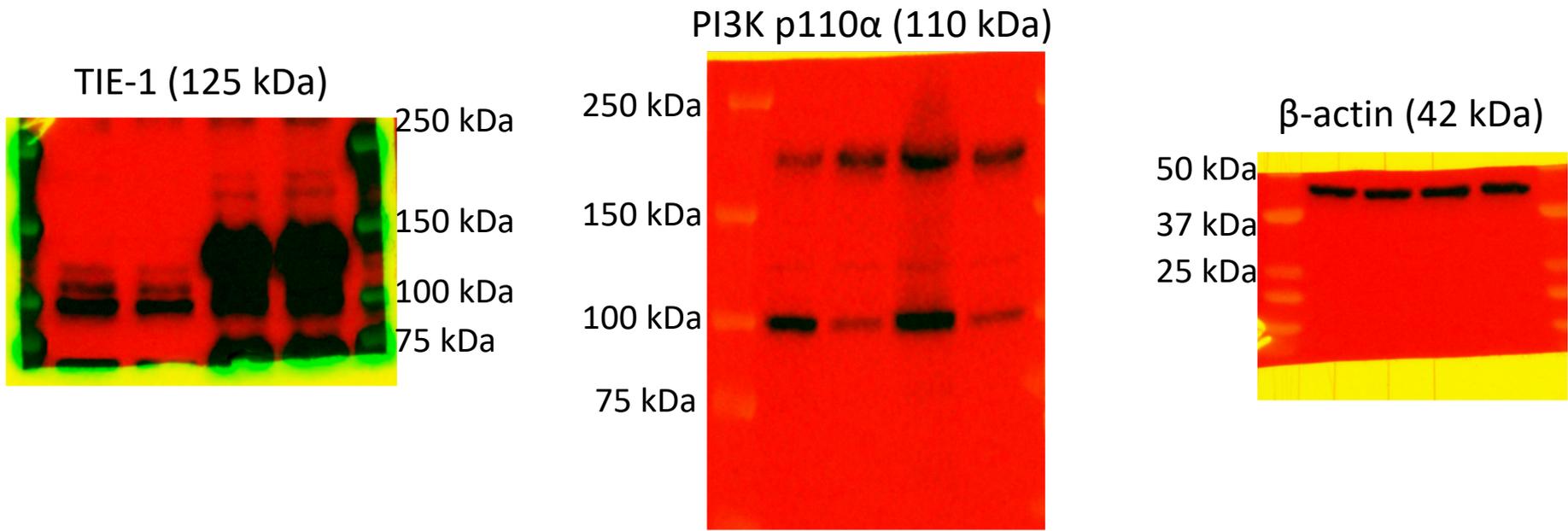
β -actin (42 kDa)



densitometry readings	CAOV3 control siRNA	CAOV3 TIE-1 siRNA
PARP	47.3	41.5
Cleaved PARP	28.2	51.0
Procaspase-3	82.5	31.2
β -actin	61.8	65.2



densitometry readings	Day 3 Empty Control si	Day 3 Empty PI3K si	Day 3 TIE-1 OE Control si	Day 3 TIE-1 OE PI3K si	Day 5 Empty Control si	Day 5 Empty PI3K si	Day 5 TIE-1 OE Control si	Day 5 TIE-1 OE PI3K si	Day 7 Empty Control si	Day 7 Empty PI3K si	Day 7 TIE-1 OE Control si	Day 7 TIE-1 OE PI3K si
TIE-1	27.4	37.7	268.4	272.9	35.5	37.5	266.1	220.7	28.3	34.6	227.9	270.9
PI3K p110α	15.3	1.1	53.1	1.2	29.6	1.0	58.3	1.3	19.5	1.0	50.6	1.2
β-actin	42.8	49.1	48.5	51.4	37.7	48.3	54.6	42.8	42.1	46.9	44.0	45.7



densitometry readings	Empty-control siRNA	Empty-PI3K siRNA	TIE-1-control siRNA	TIE-1-PI3K siRNA
TIE-1	67.8	49.9	258.3	285.8
PI3K p110α	11.8	3.4	21.7	3.8
β-actin	34.8	35.4	38.3	37.5