

BMPR2 Loss Activates AKT by Disrupting DLL4/NOTCH1 and PPAR γ Signaling in Pulmonary Arterial Hypertension

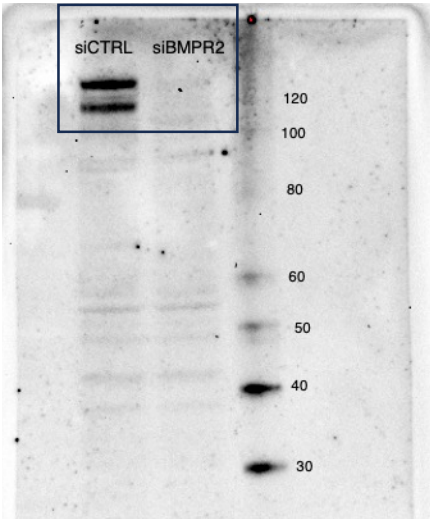
Keytam S. Awad, Shuibang Wang, Edward J. Dougherty, Ali Keshavarz, Cumhuri Y. Demirkale,

Zu Xi Yu, Latonia Miller, Jason M. Elinoff, and Robert L. Danner

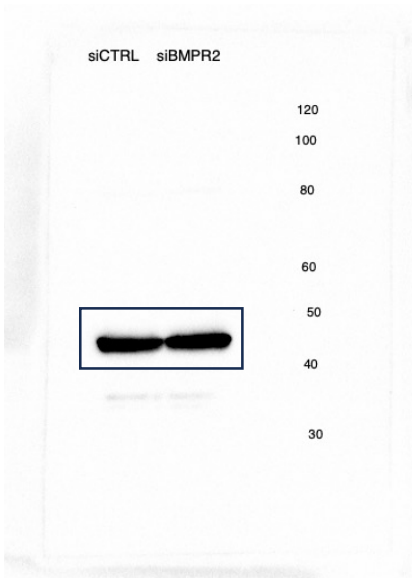
Supplementary Information

Figure 1A

BMPR2



β -actin



pAKT (S473)



Total AKT

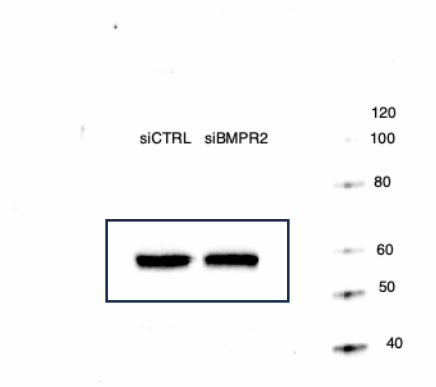
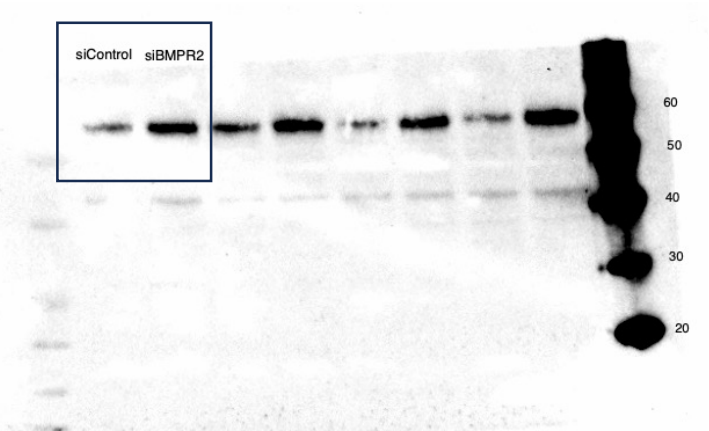
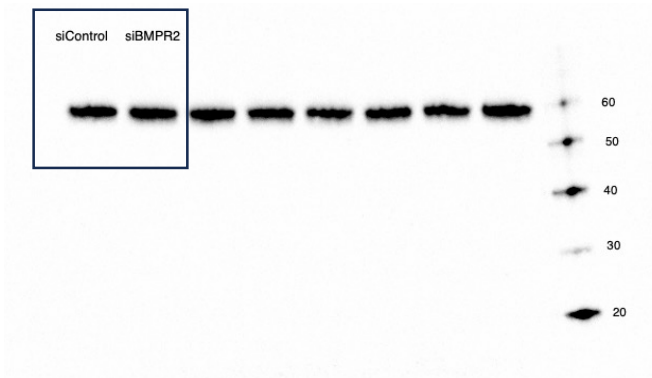


Figure 1A

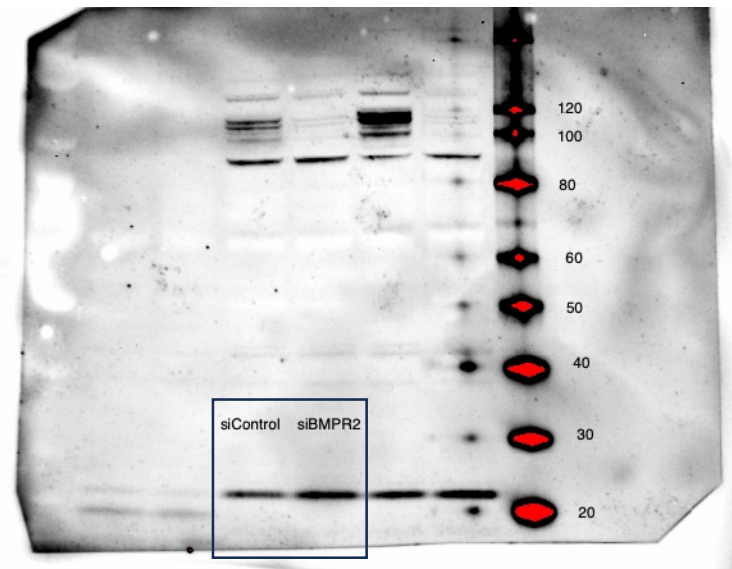
pAKT (T308)



Total AKT



pBAD (S136)



Total BAD

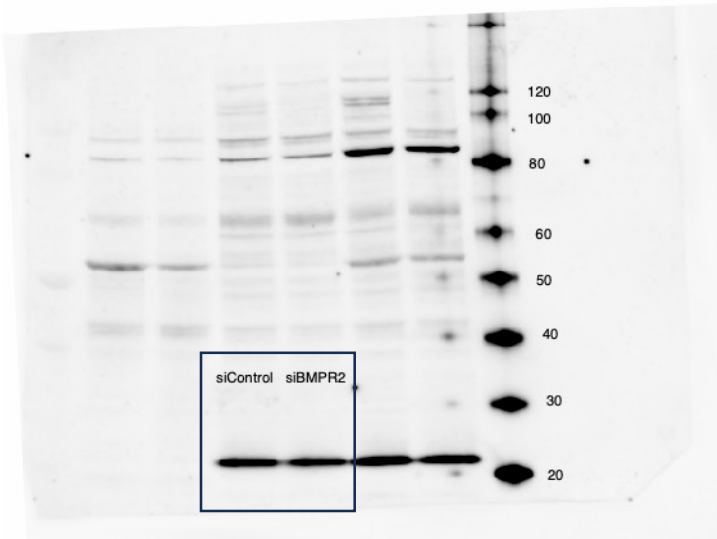
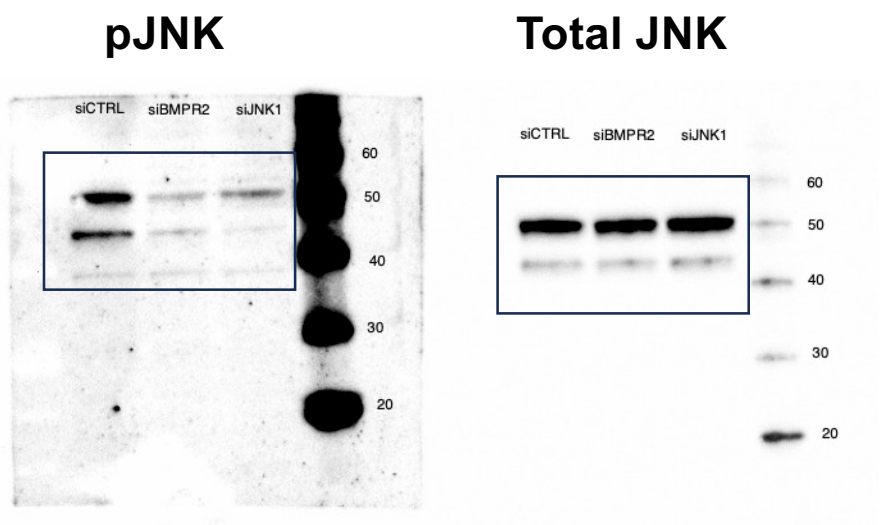
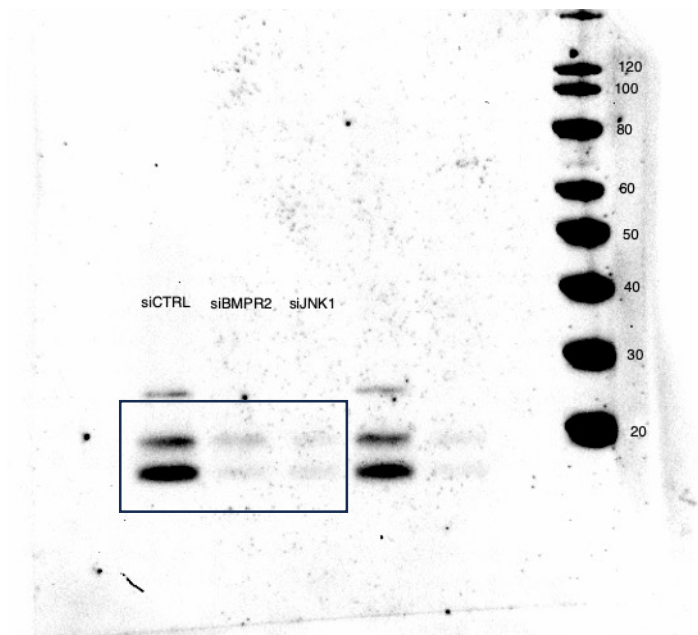


Figure 2A



Cleaved caspase 3



β -actin



Figure 2A

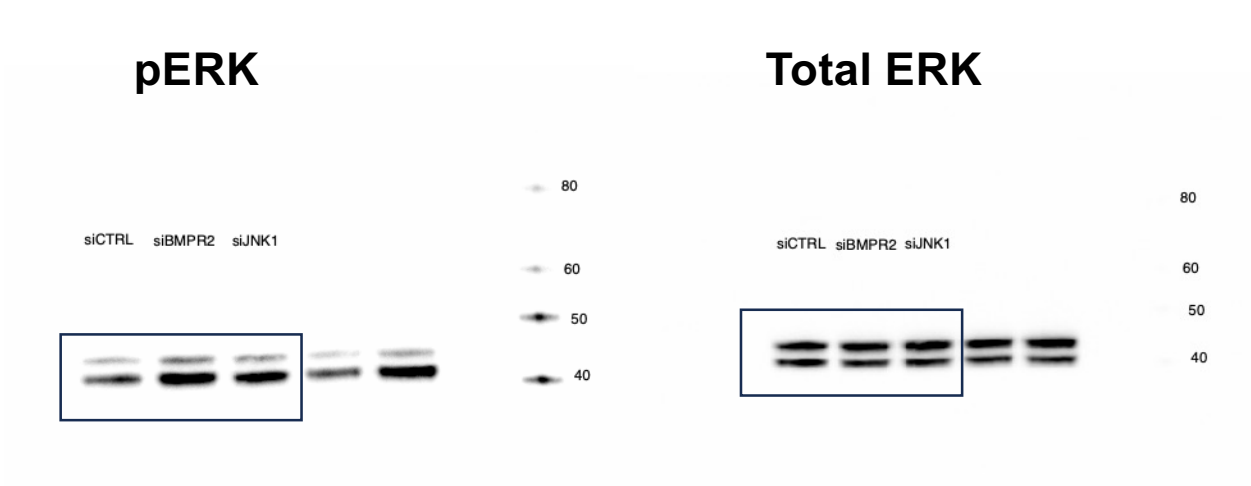
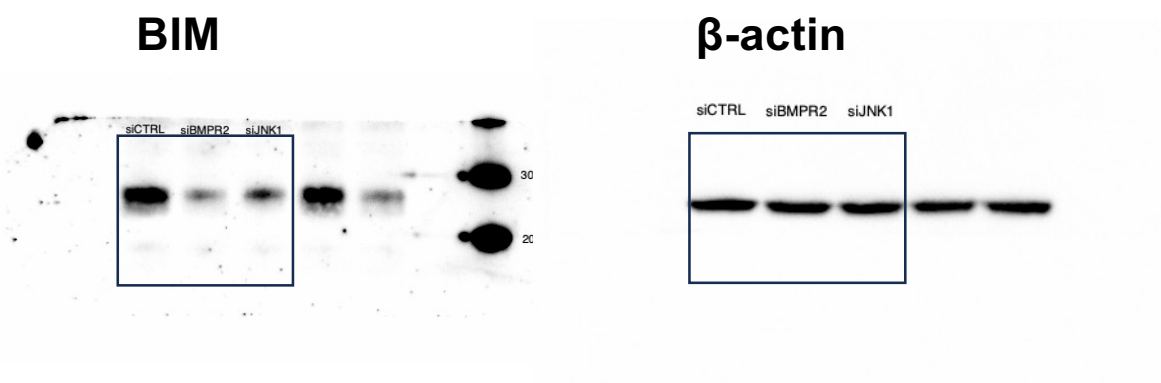


Figure 3A

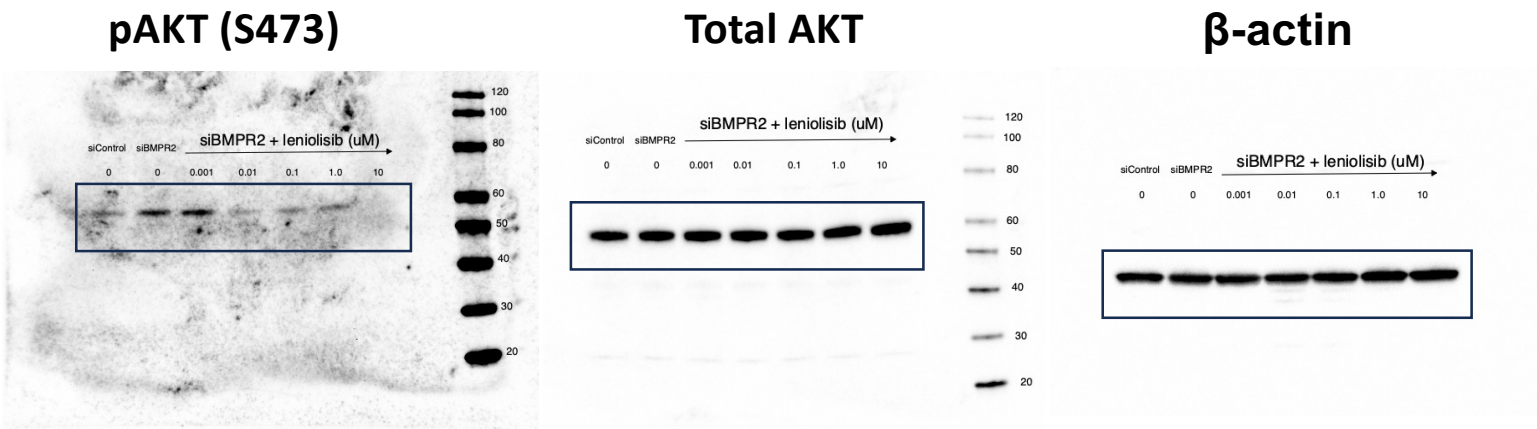
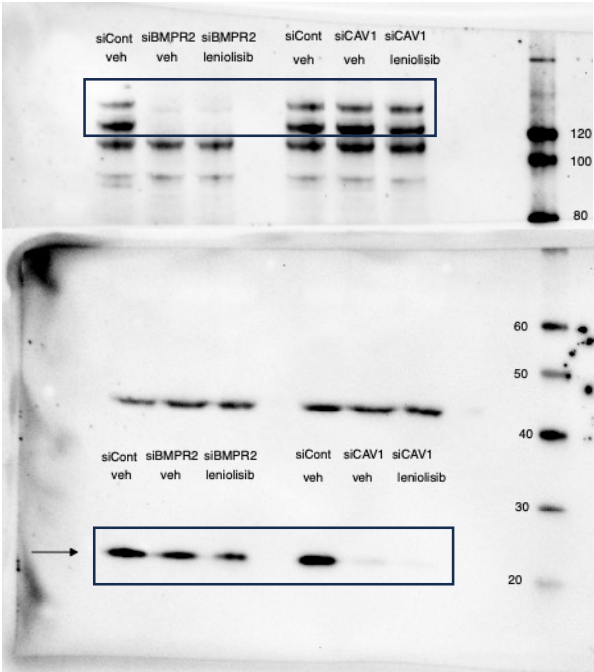


Figure 3B

BMPR2

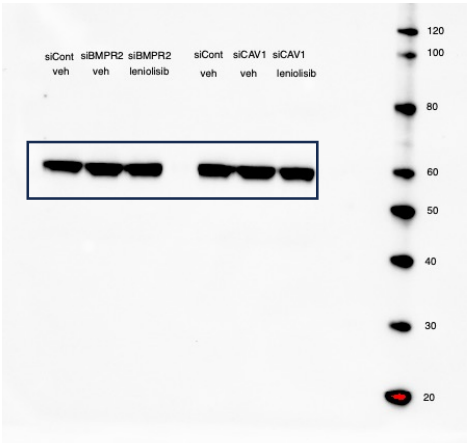
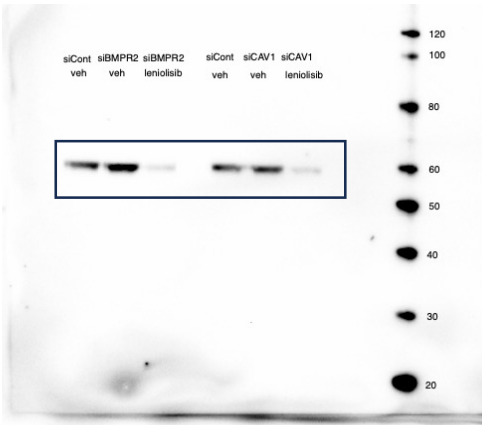
CAV1

β -actin



pAKT (S473)

Total AKT



pAKT (T308)

Total AKT

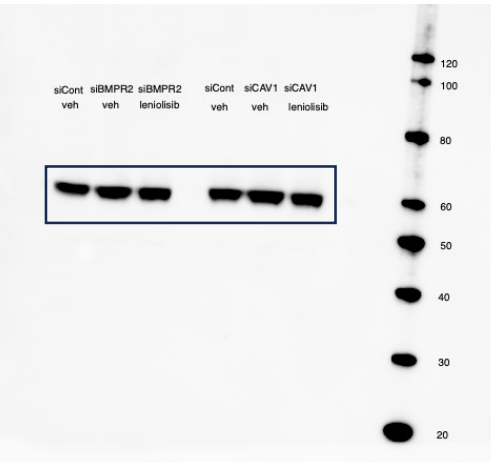
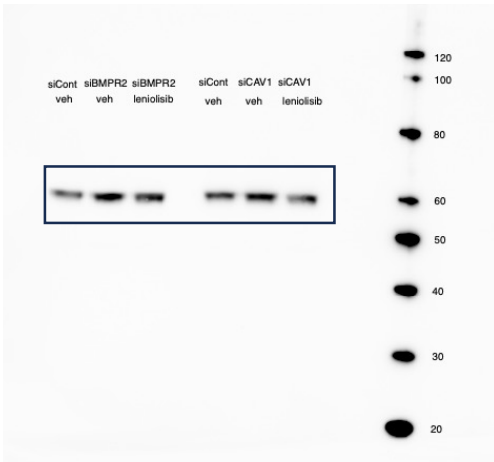


Figure 4A

DLL4

β -actin

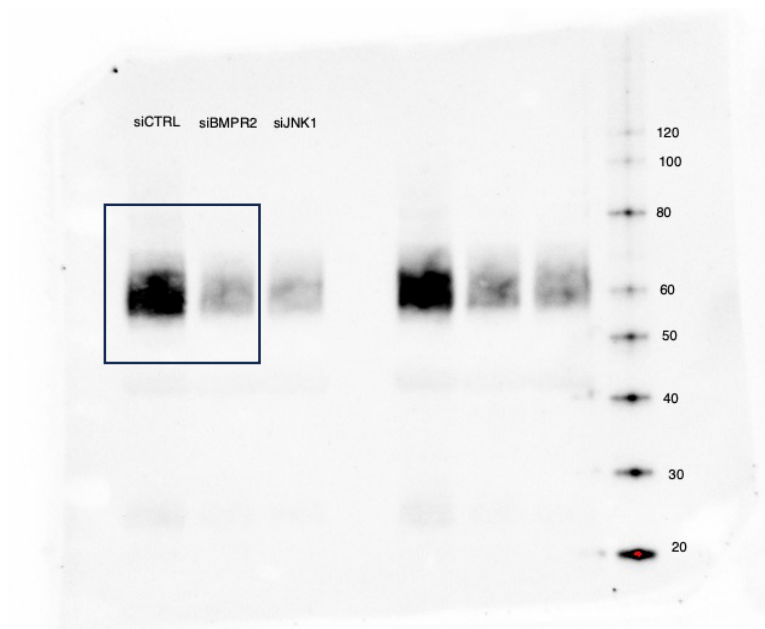


Figure 4B

N1ICD

β -actin

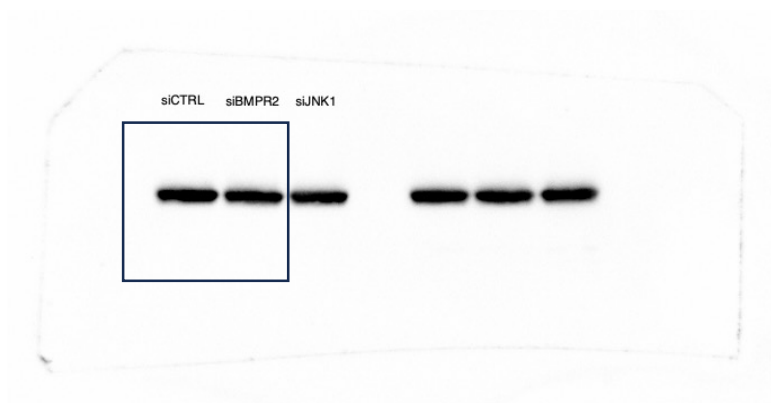
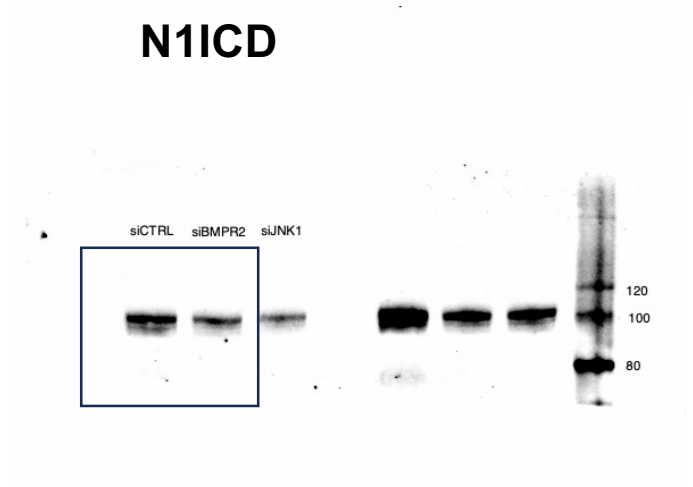


Figure 4C

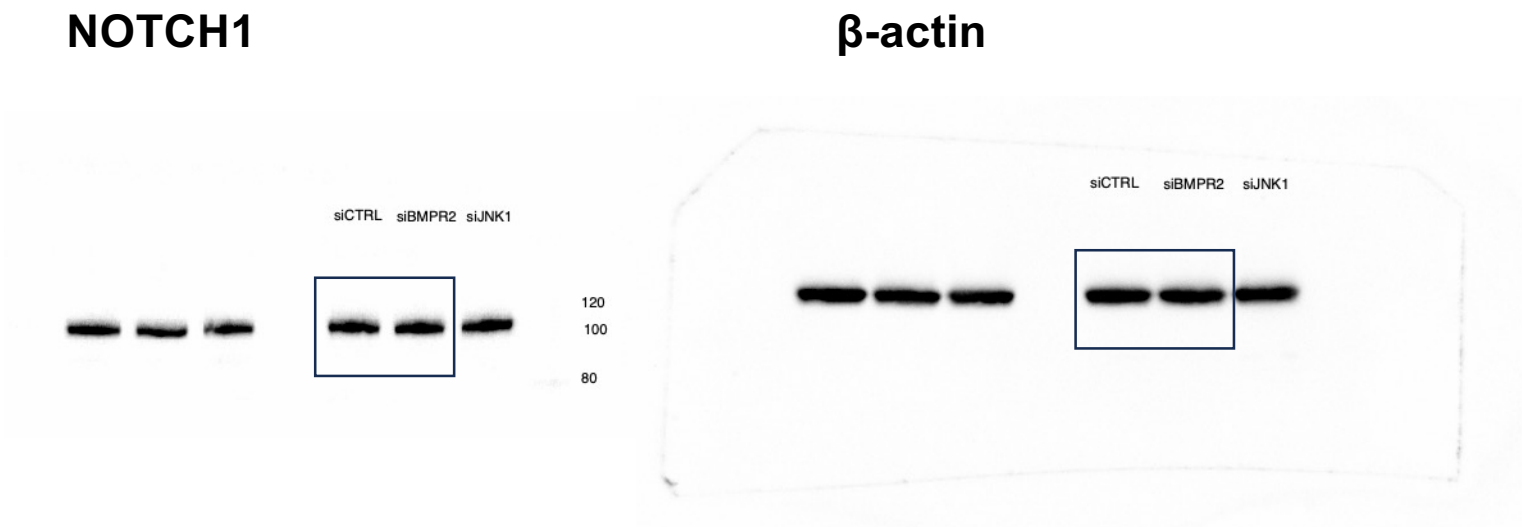


Figure 4D

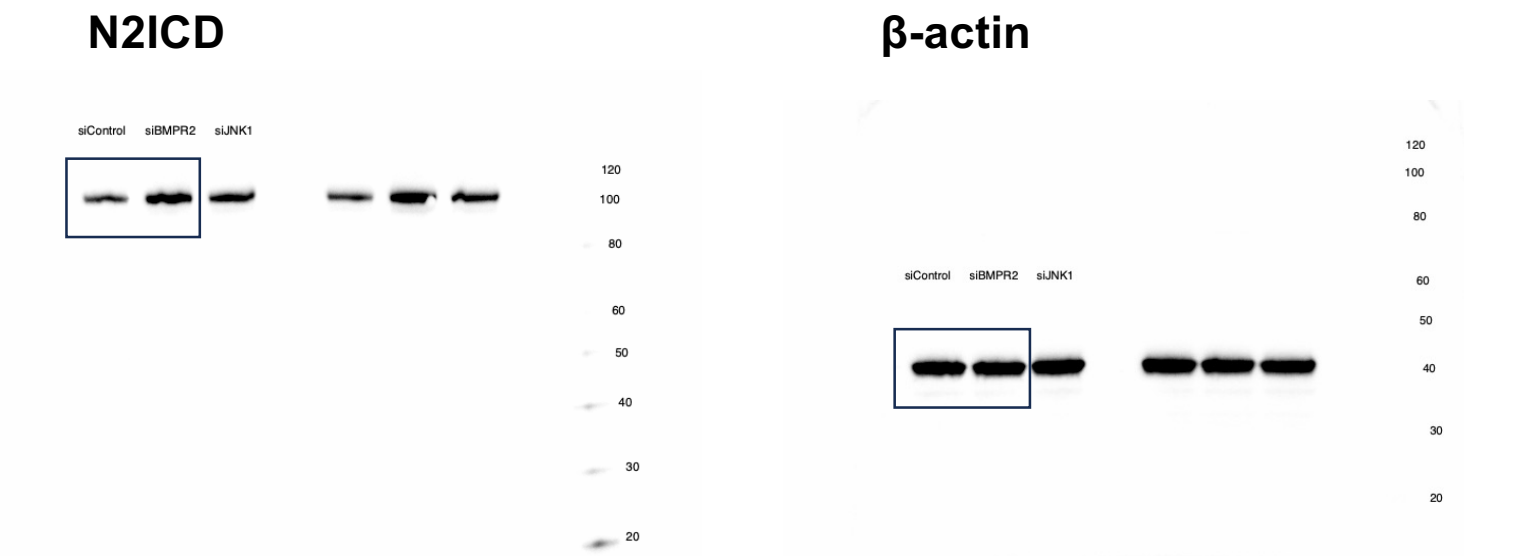


Figure 4E

N4ICD

β -actin

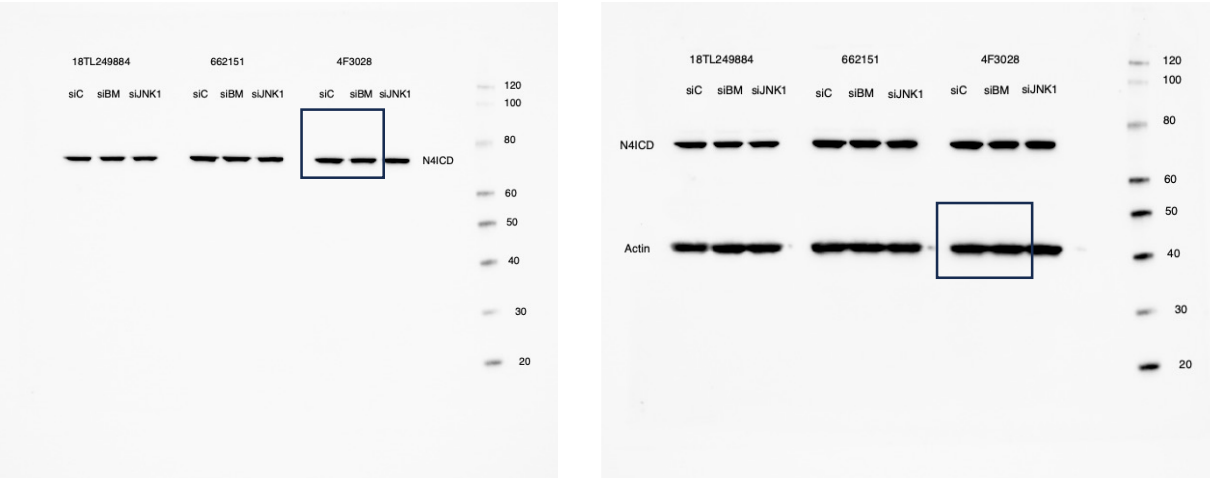


Figure 4F

DLL4

β -actin

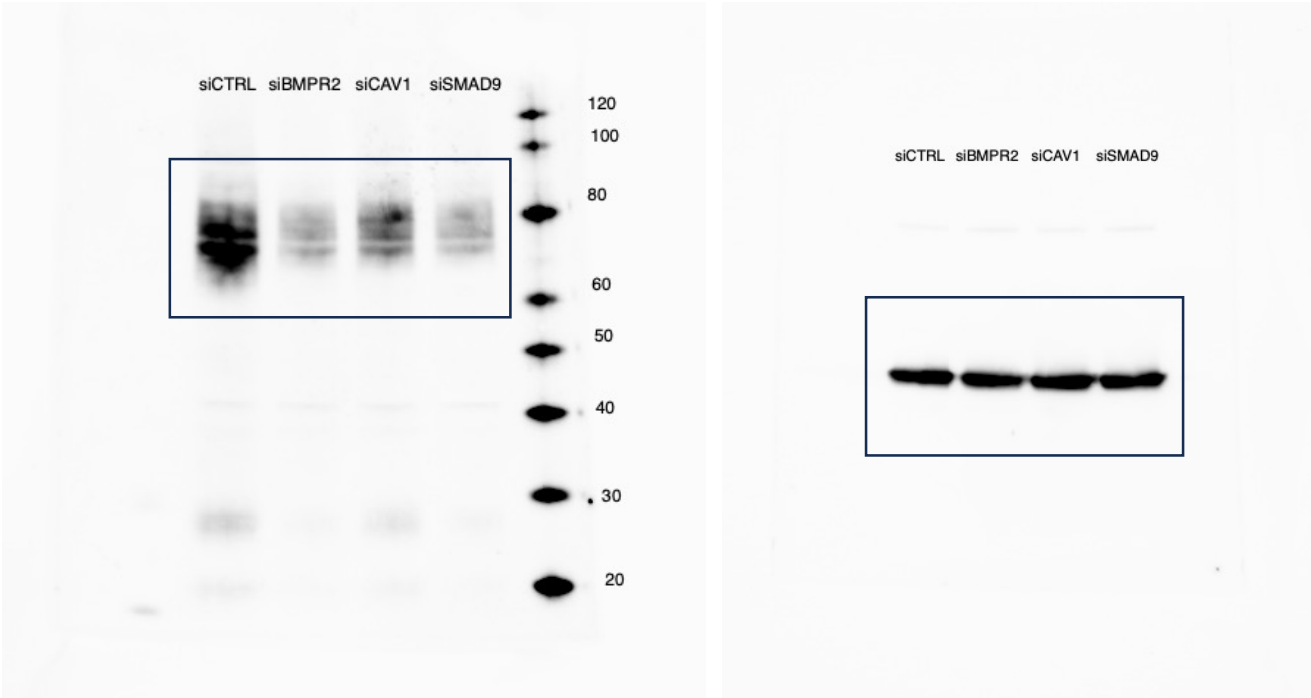


Figure 5A

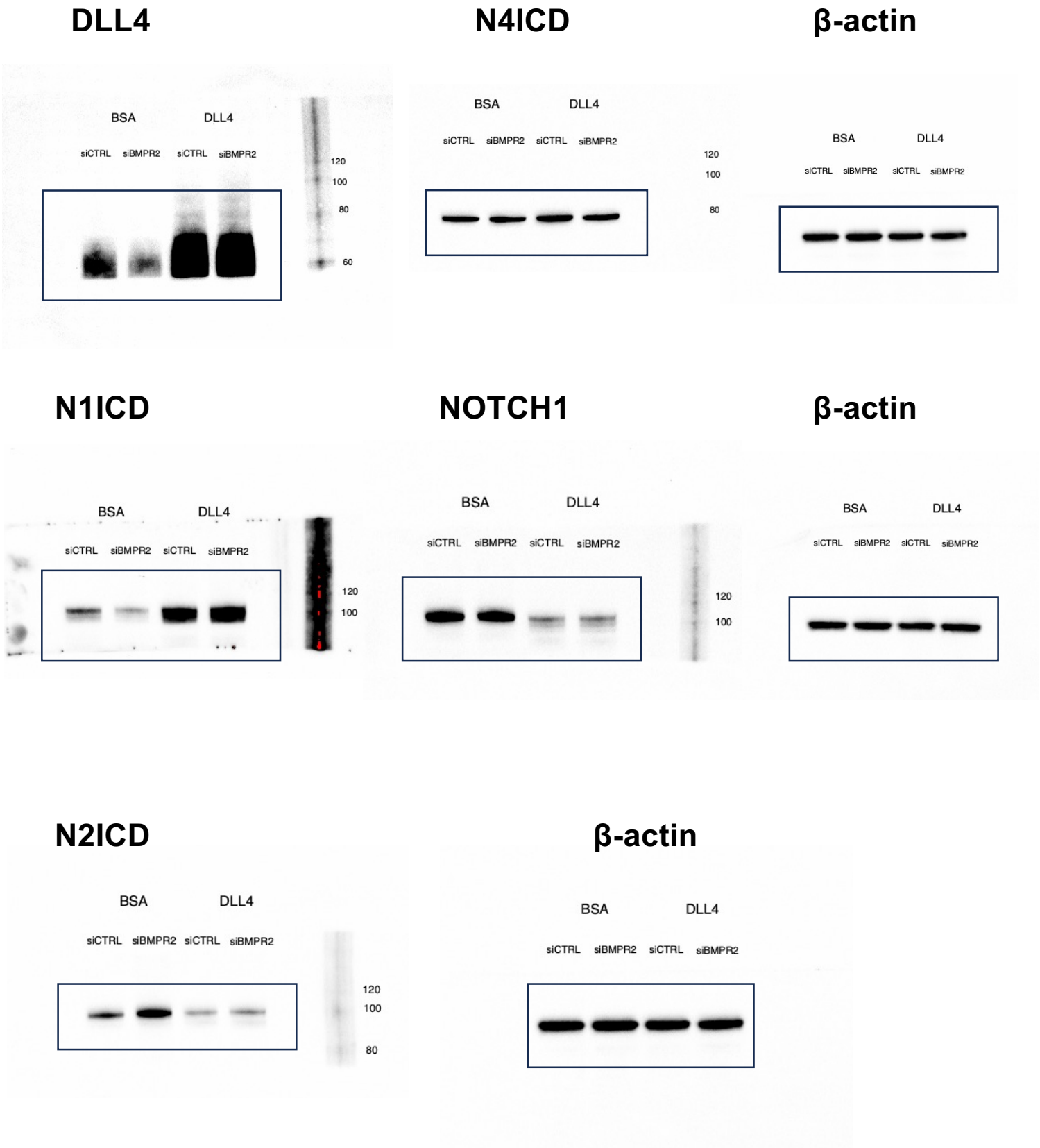
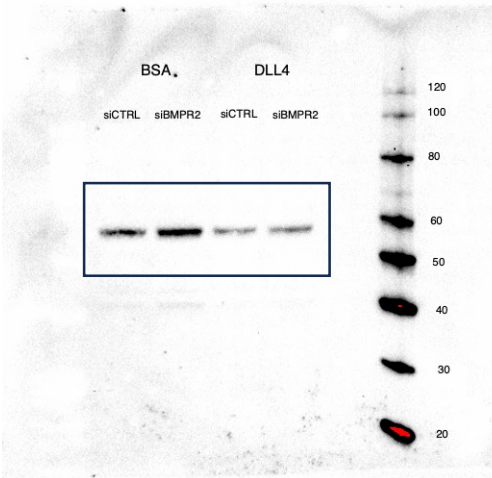
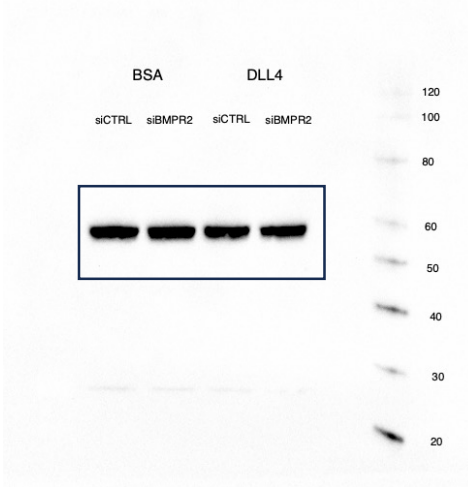


Figure 5B

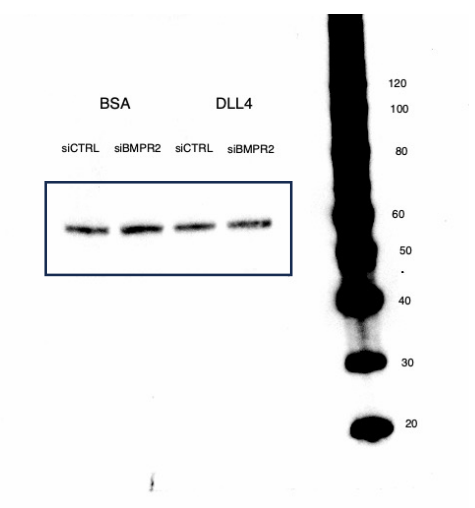
pAKT (S473)



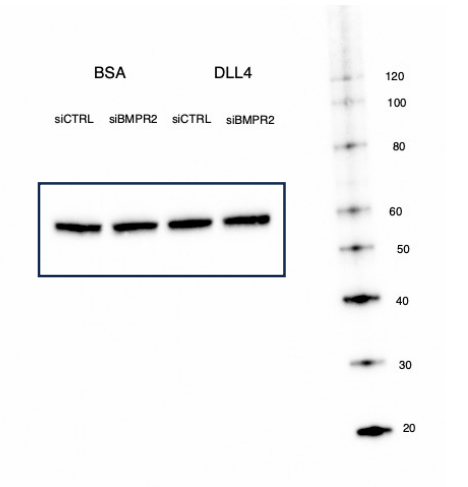
Total AKT



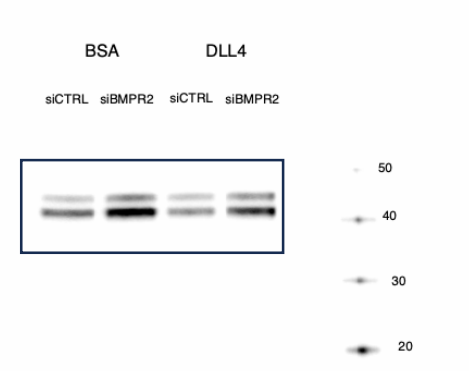
pAKT (T308)



Total AKT



pERK



Total ERK

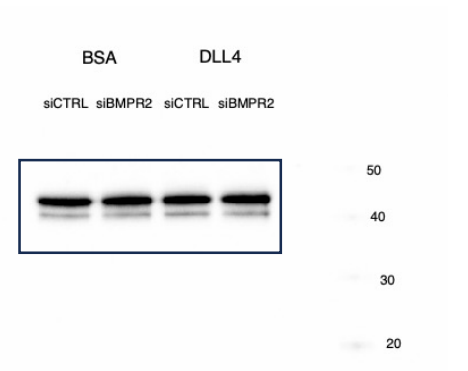
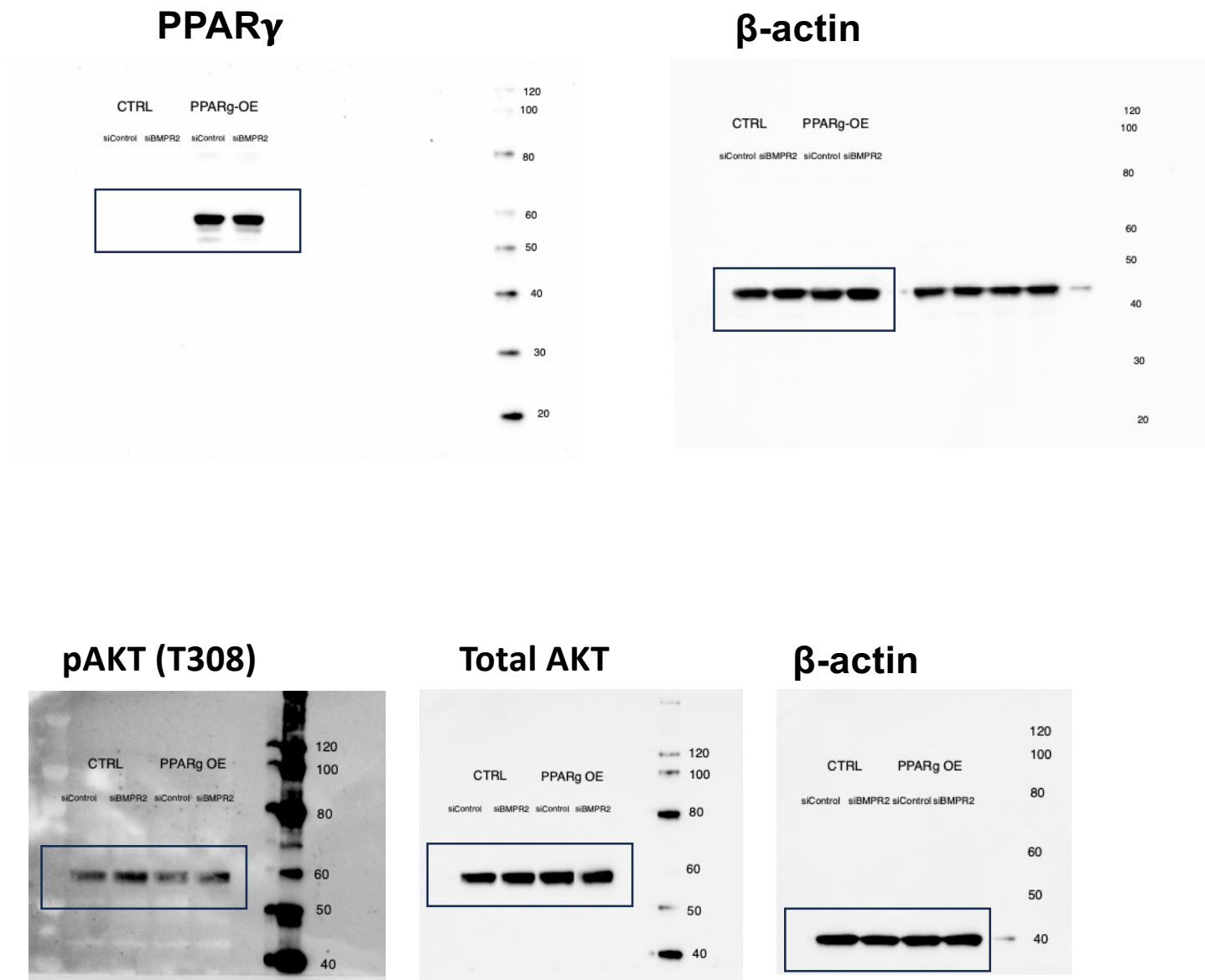


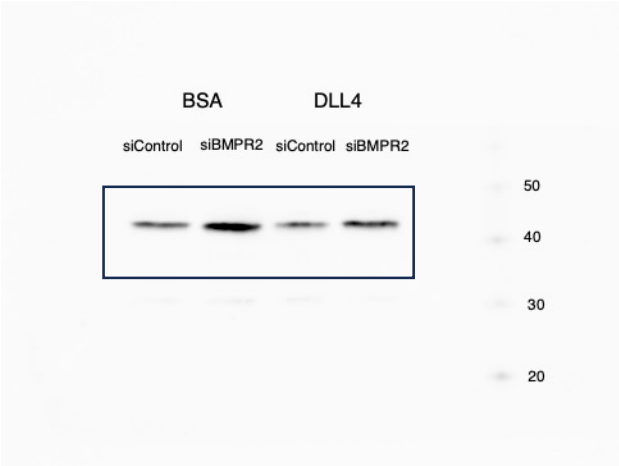
Figure 7E



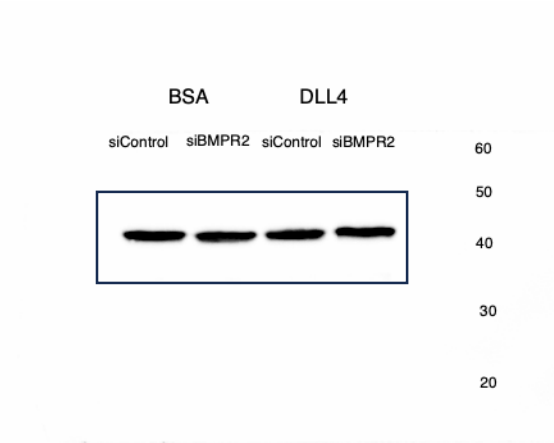
Supplementary Figure 4B

PAECS

α -SMA



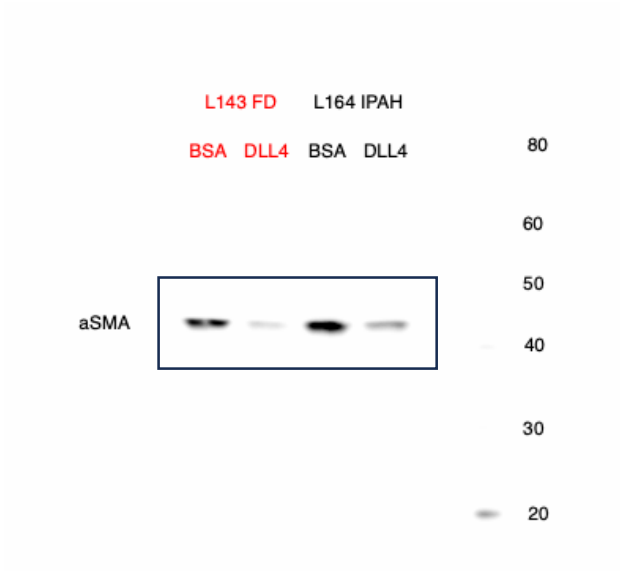
β -actin



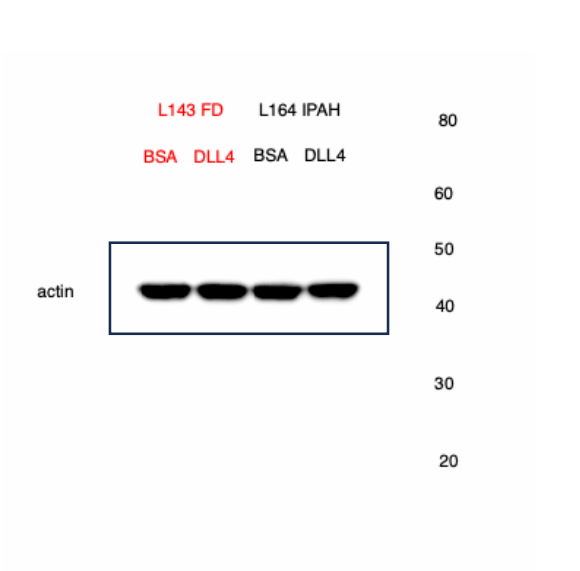
Supplementary Figure 4C

CTRL (FD) AND IPA

α -SMA



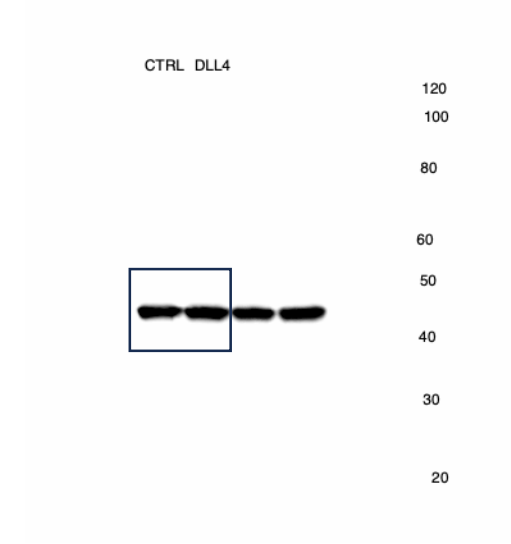
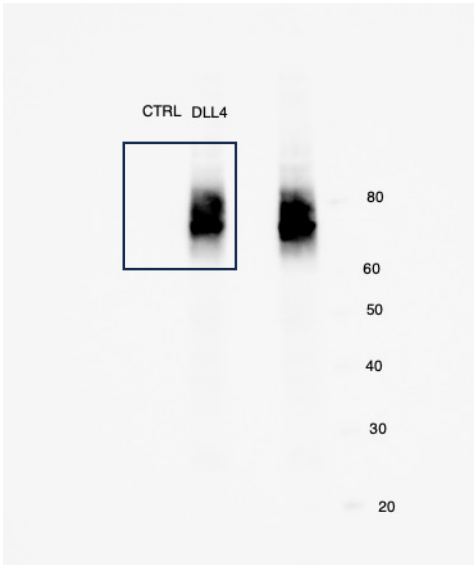
β -actin



Supplementary Figure 5

DLL4

β -actin



N1ICD

NOTCH1

β -actin

