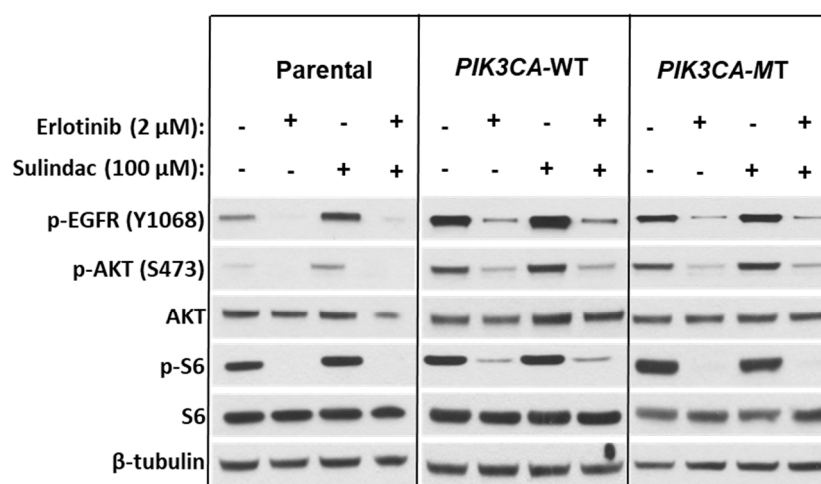


Supplementary Materials: NSAIDs Overcome *PIK3CA* Mutation-Mediated Resistance to EGFR Inhibition in Head and Neck Cancer Preclinical Models

Hua Li, Noah D. Peyser, Yan Zeng, Patrick K. Ha, Daniel E. Johnson and Jennifer R. Grandis

(a)



(b)

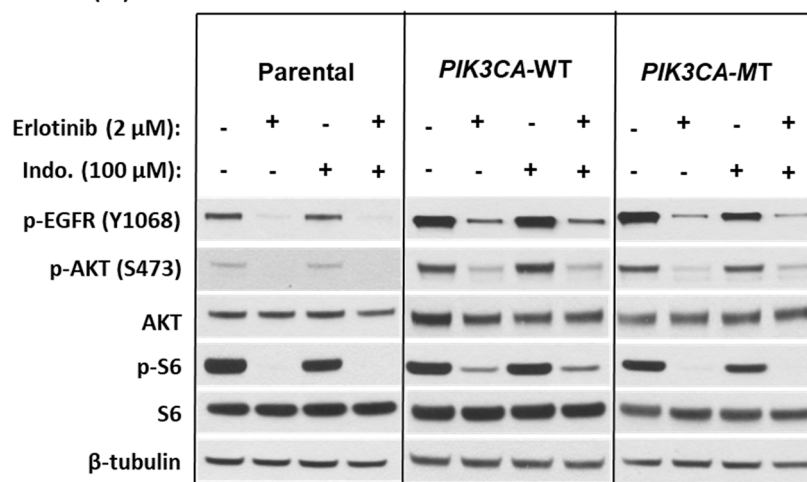
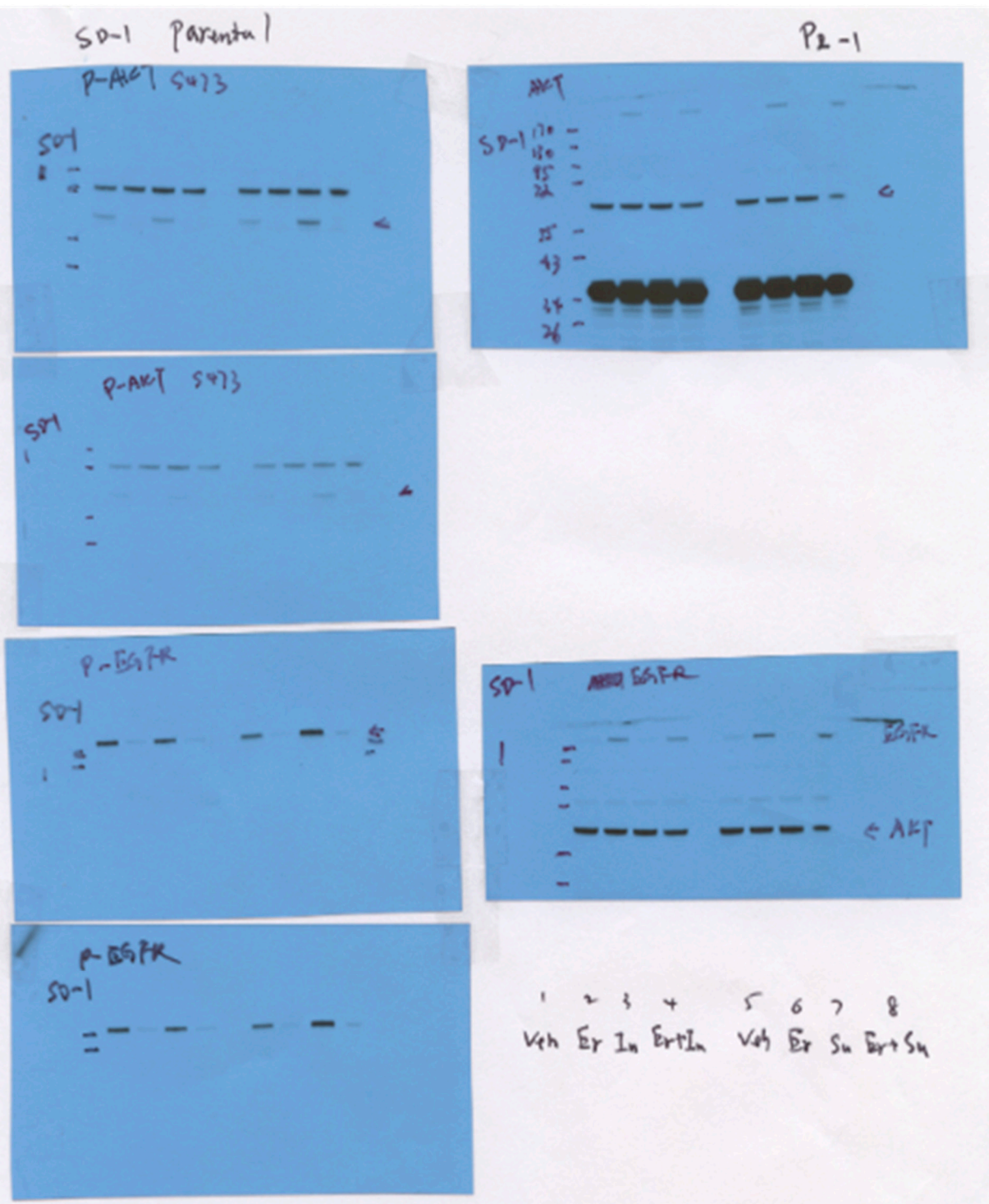
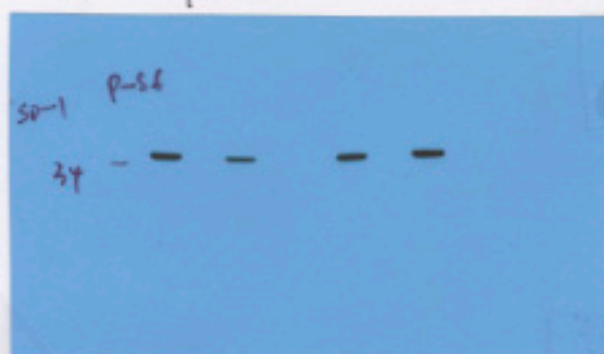


Figure S1. Treatments of EGFR TKI and NSAIDs changes the pathway signaling in engineered HNSCC PCI-52 cells. The HNSCC cell line PCI-52 parental cells, PCI-52 cells with overexpressed WT *PIK3CA* or *PIK3CA* mutation (H1047R) were treated with vehicle, sulindac (100 μM), indomethacin (100 μM), erlotinib (2 μM), or combination of sulindac and erlotinib (a) or indomethacin and erlotinib (b) for 24 hours followed by collection of whole cell lysate and immunoblot analysis.

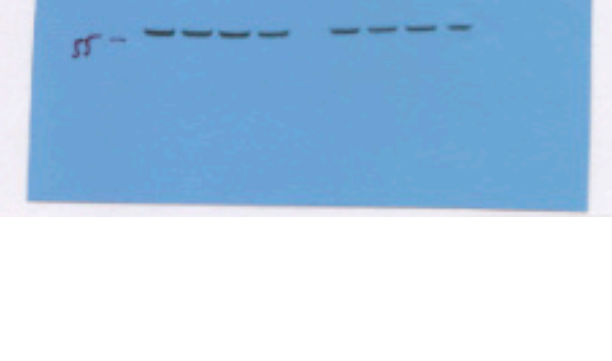
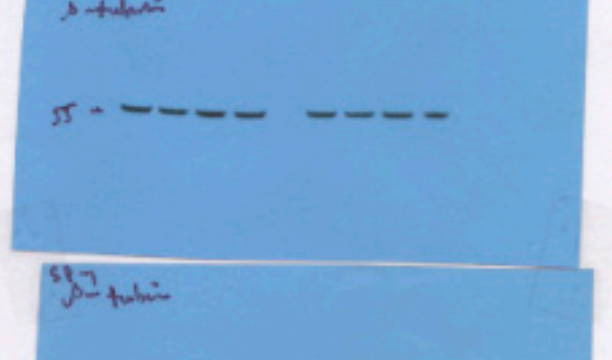
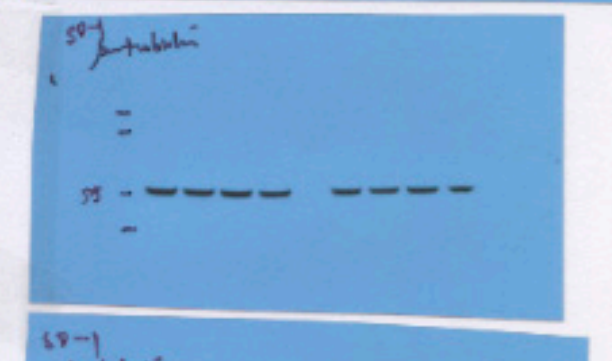
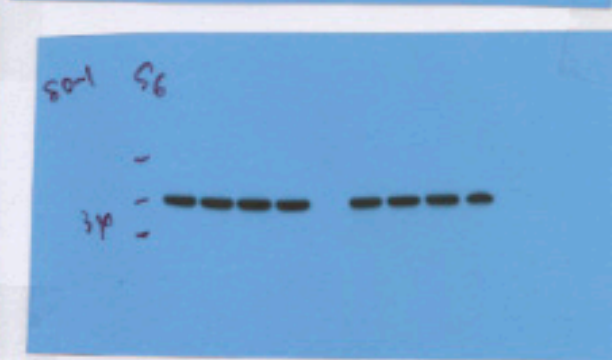
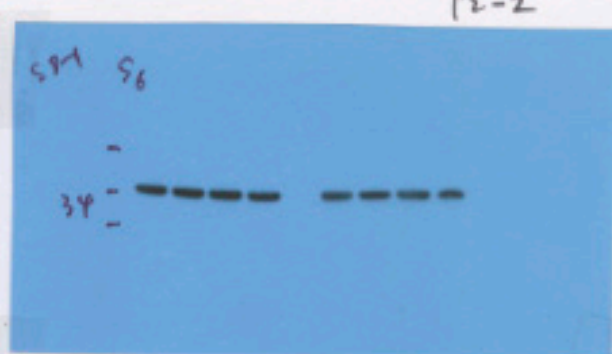
(A)



SD-1 Parental

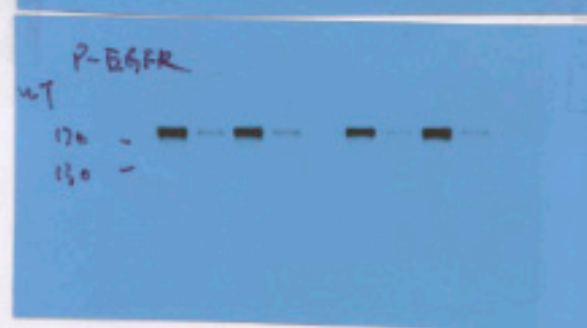
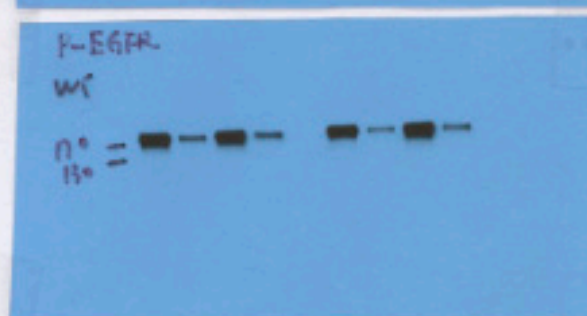
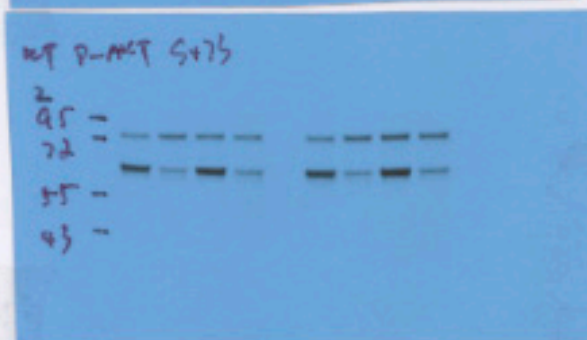
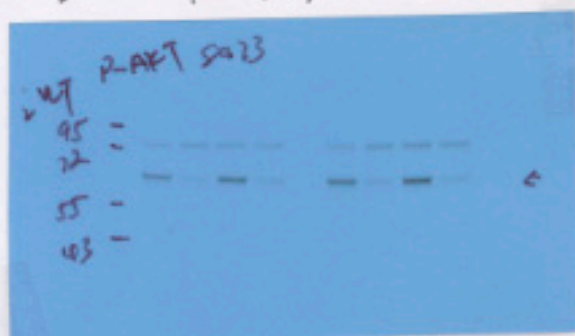


P2-2

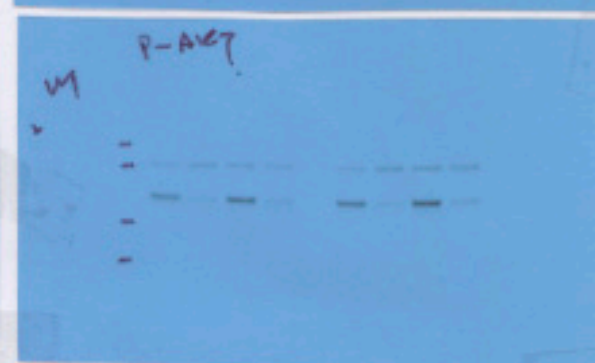
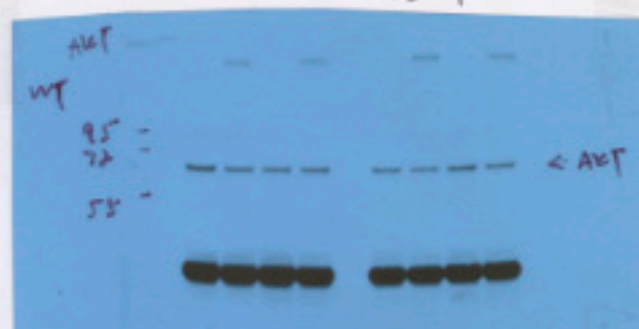


1 2 3 4 5 6 7 8
Veh Er In Er+In Veh Er Sa Er+Sa

S0-1 WT P1163

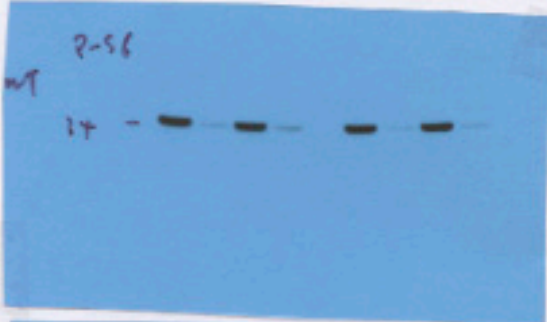


P2-1

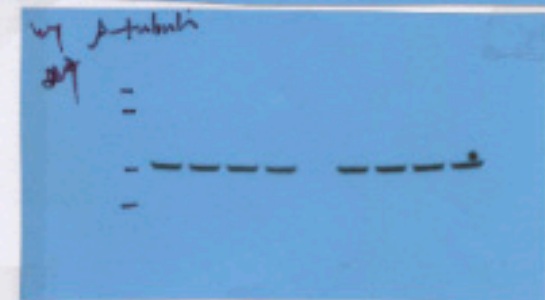
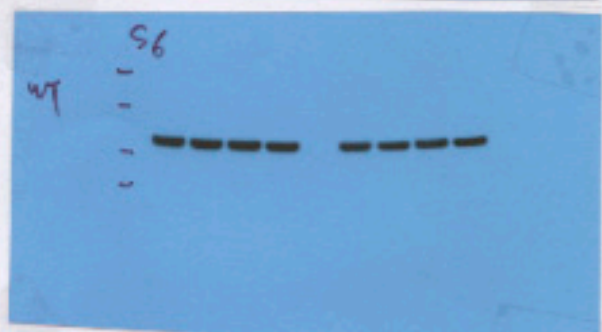


1 2 3 4 5 6 7 8
Veh Er In Er+In Veh Er Su Er+Su

SD-1 WT Ptk2

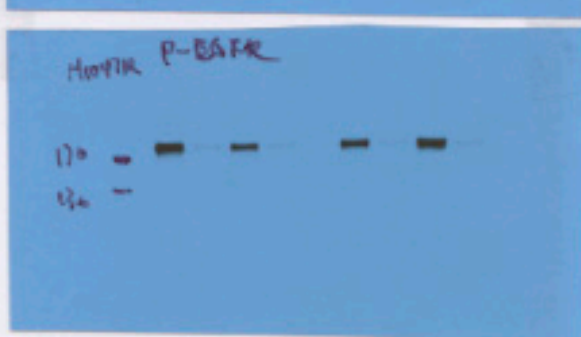
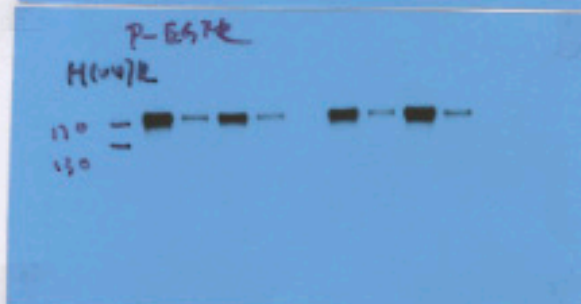
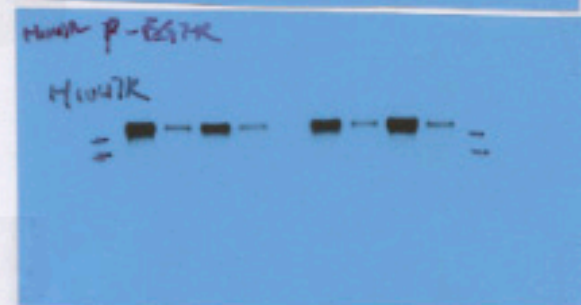
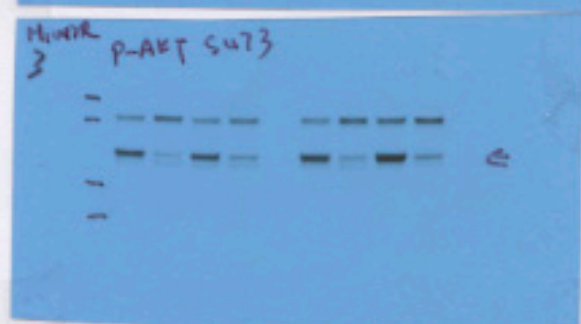
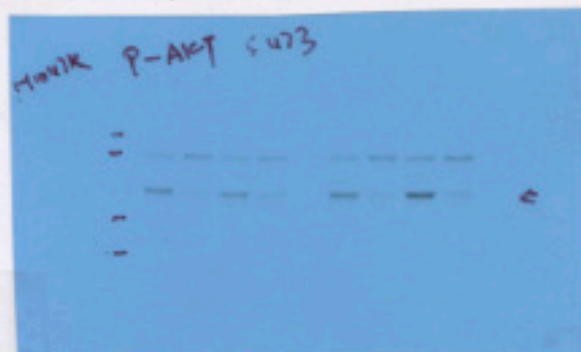


P2-2

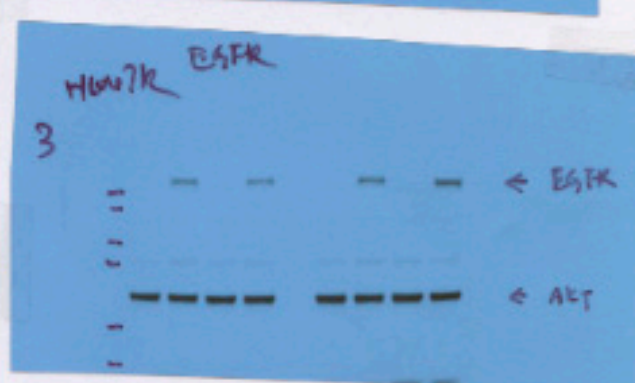
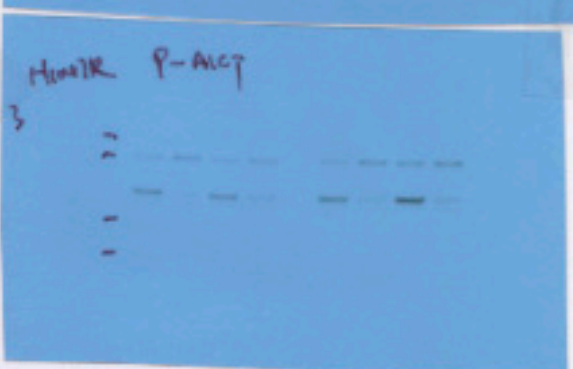
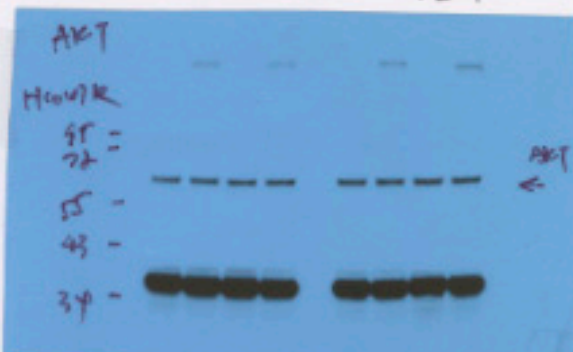


1 2 3 4 5 6 7 8
Veh Er In Er+In Veh Er Sn Er+Sn

SD-1 H1047R PIK3



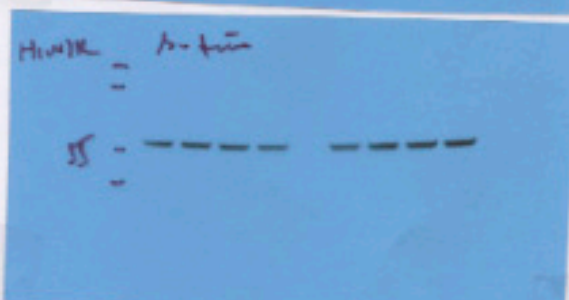
P2-1



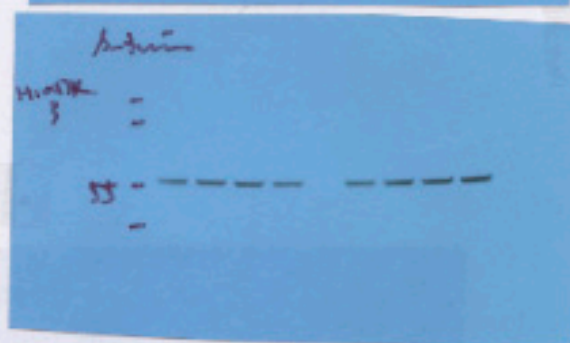
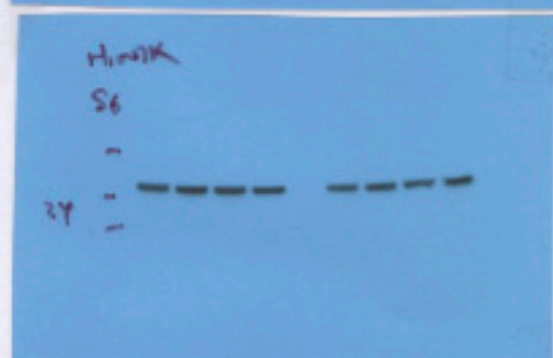
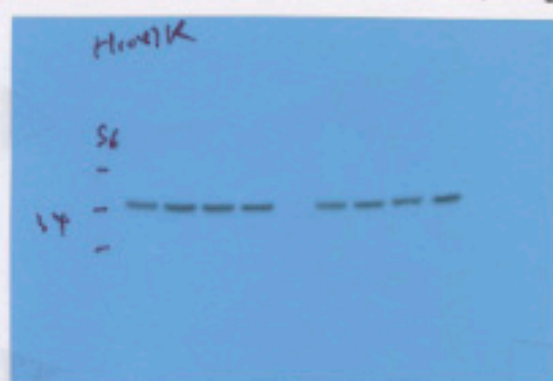
SD-1 H1047R

1 2 3 4 5 6 7 8
V Er In Et+In V Er Su Et+Su

SD-1 H1007R P1K1



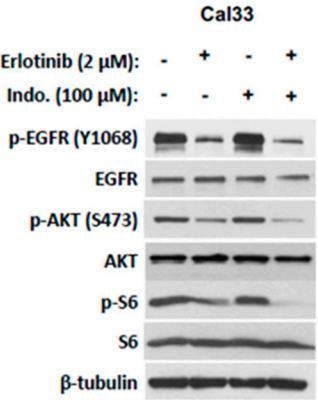
P2-2



SD-1 H1007R P1K1

1	2	3	4	5	6	7	8
Veh	Er	3M	Er+3a	V	Er	Su	Er+Su

(B) Fig3. B



The red squares in the right image show the original ones in the left figures

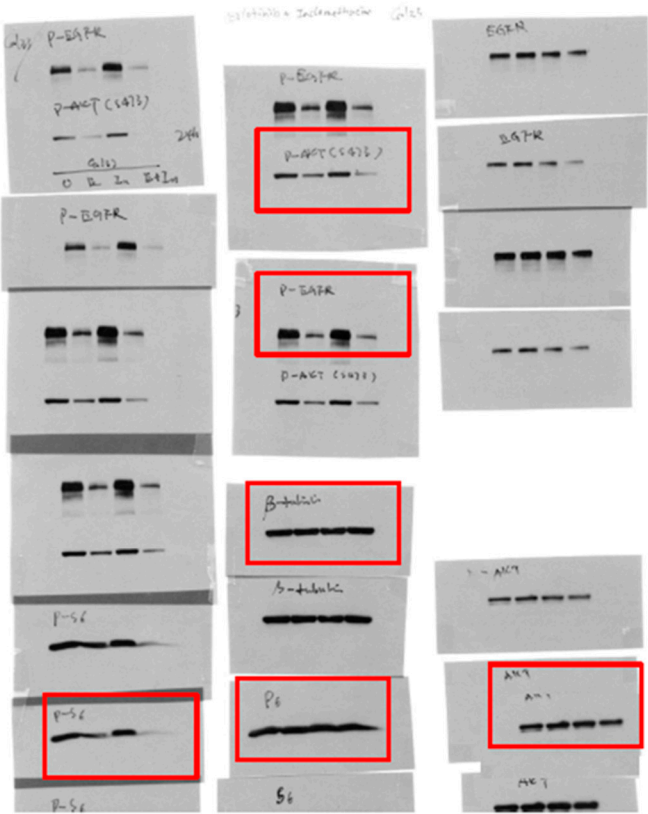
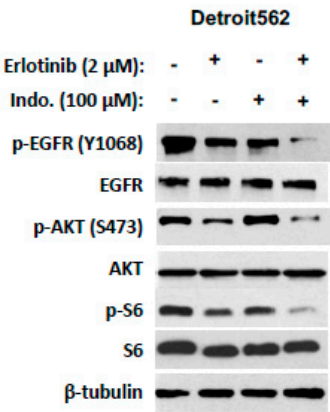


Fig3. B



The red squares in the right image show the original ones in the left figures

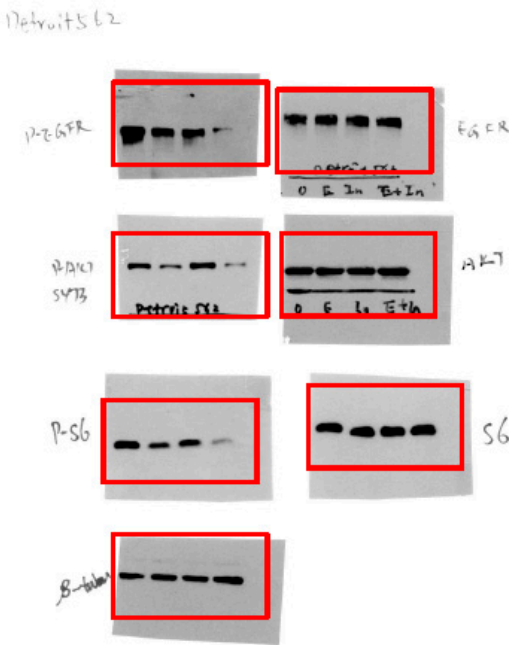
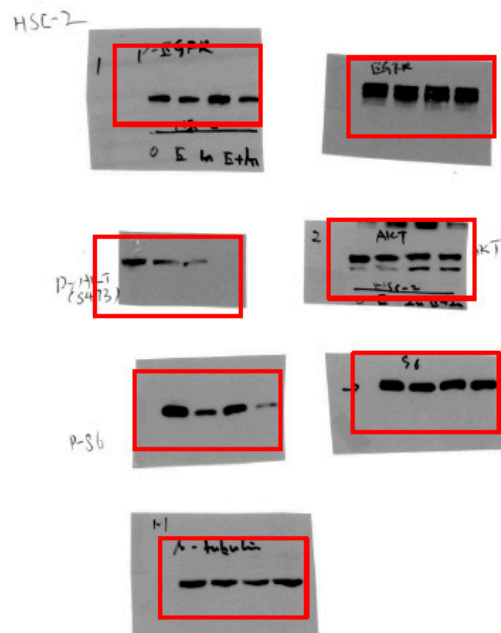
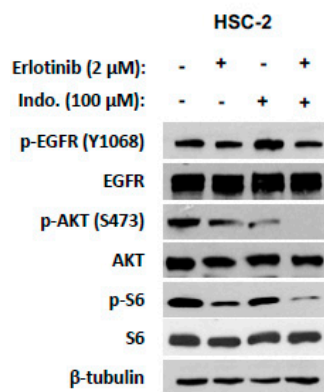
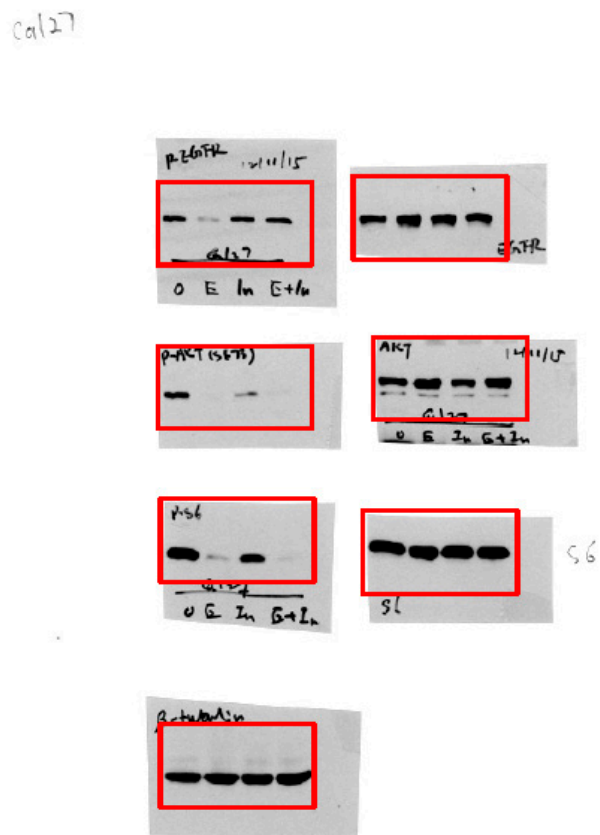
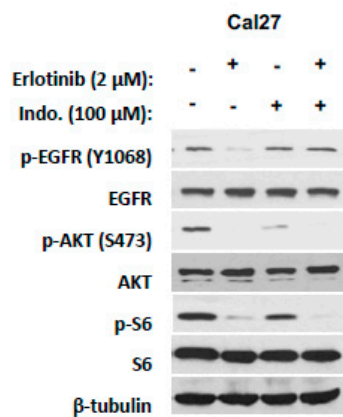


Fig3. B



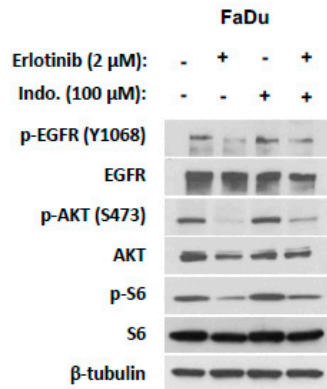
The red squares in the right image show the original ones in the left figures

Fig3. B



The red squares in the right image show the original ones in the left figures

Fig3. B



The red squares in the right image show the original ones in the left figures

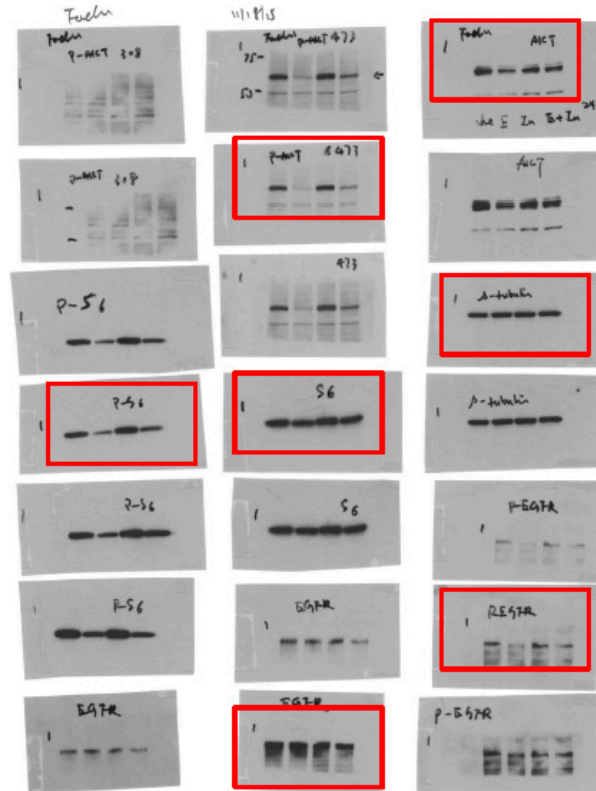
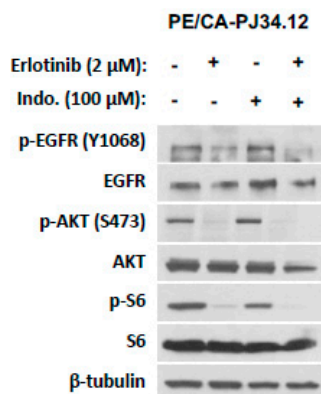


Fig3. B



The red squares in the right image show the original ones in the left figures

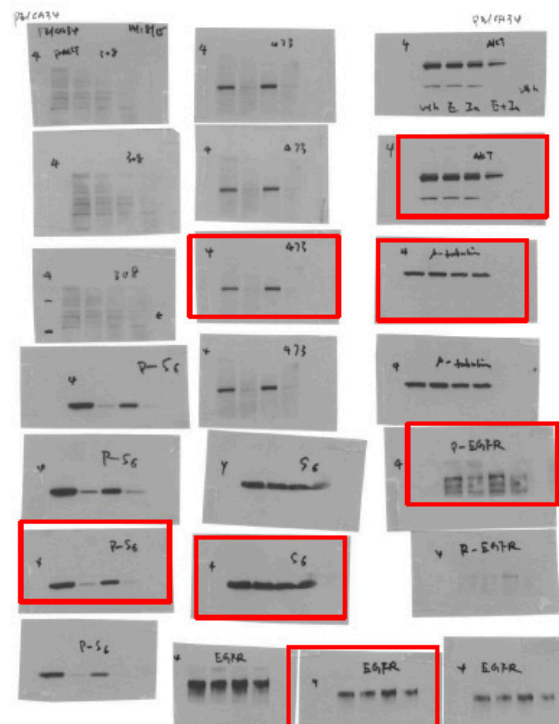


Figure S2. (A) The uncropped Western blots of Figure S1; (B) The uncropped Eastern blots of Figure 3b.