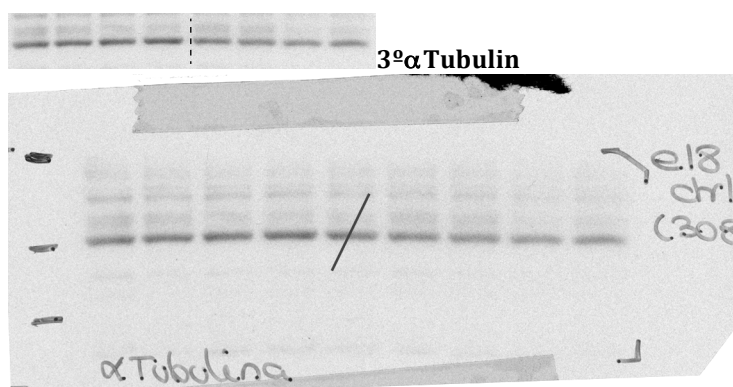
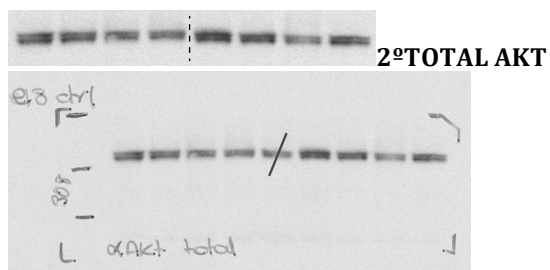
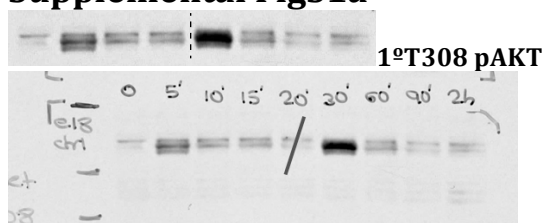
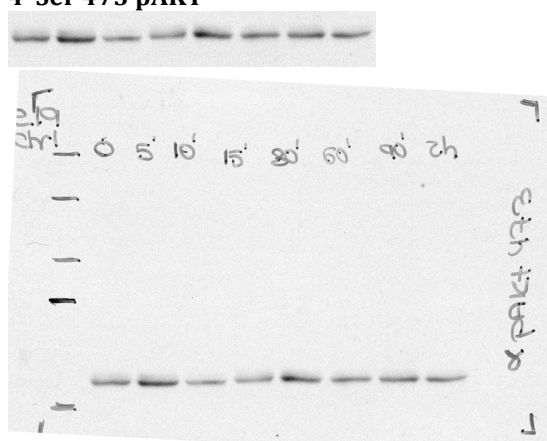




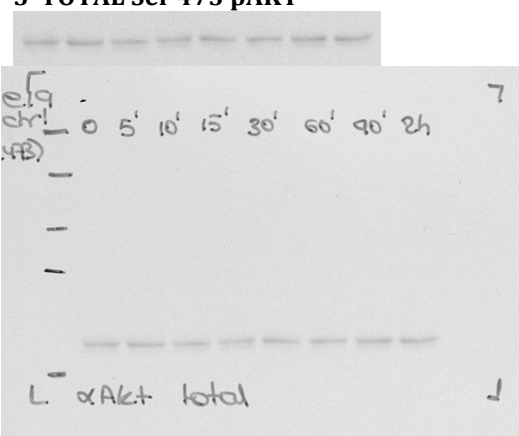
## Supplemental FigS1a



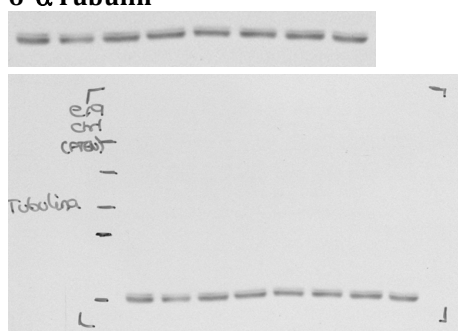
### 4°Ser 473 pAKT



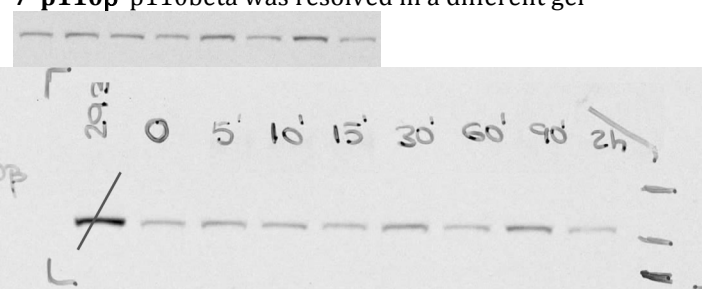
### 5°TOTAL Ser 473 pAKT



### 6°αTubulin

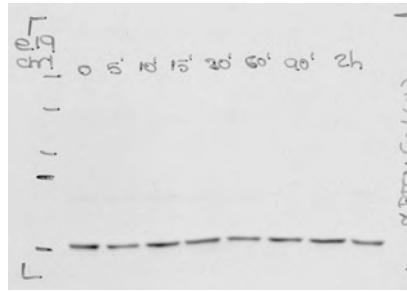
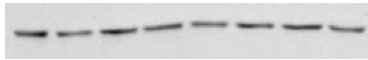


### 7°p110β p110beta was resolved in a different gel



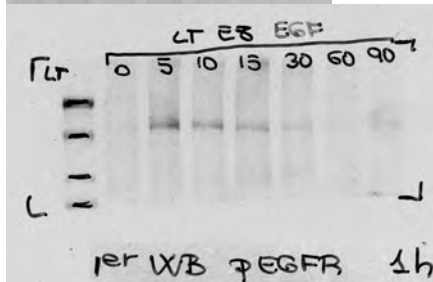


8°PTEN



**FigS1a bottom**

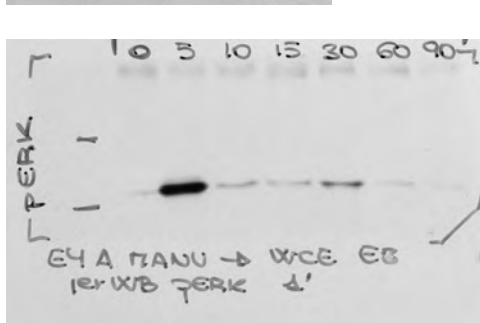
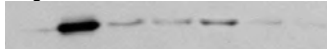
1°p-EGFR



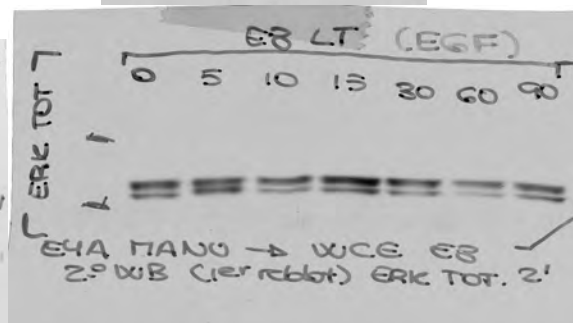
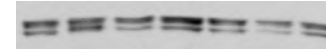
2° EGFR



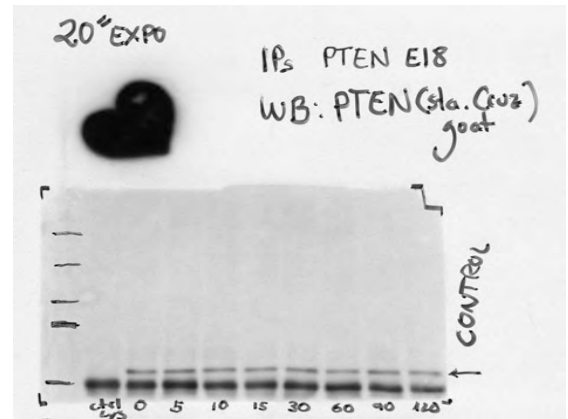
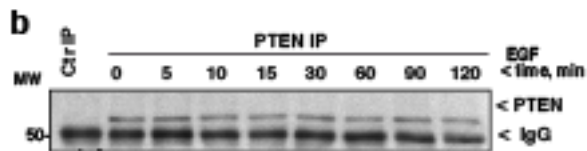
3°p-ERK



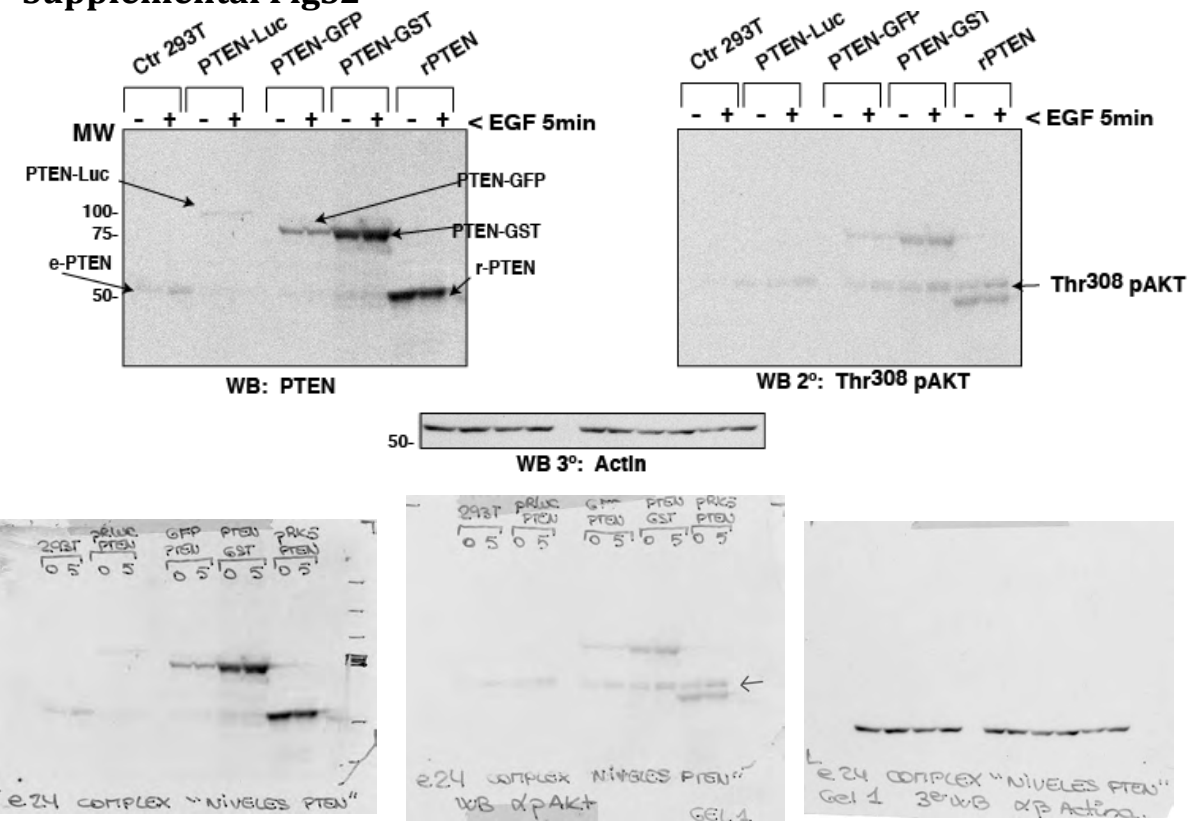
4° Total ERK



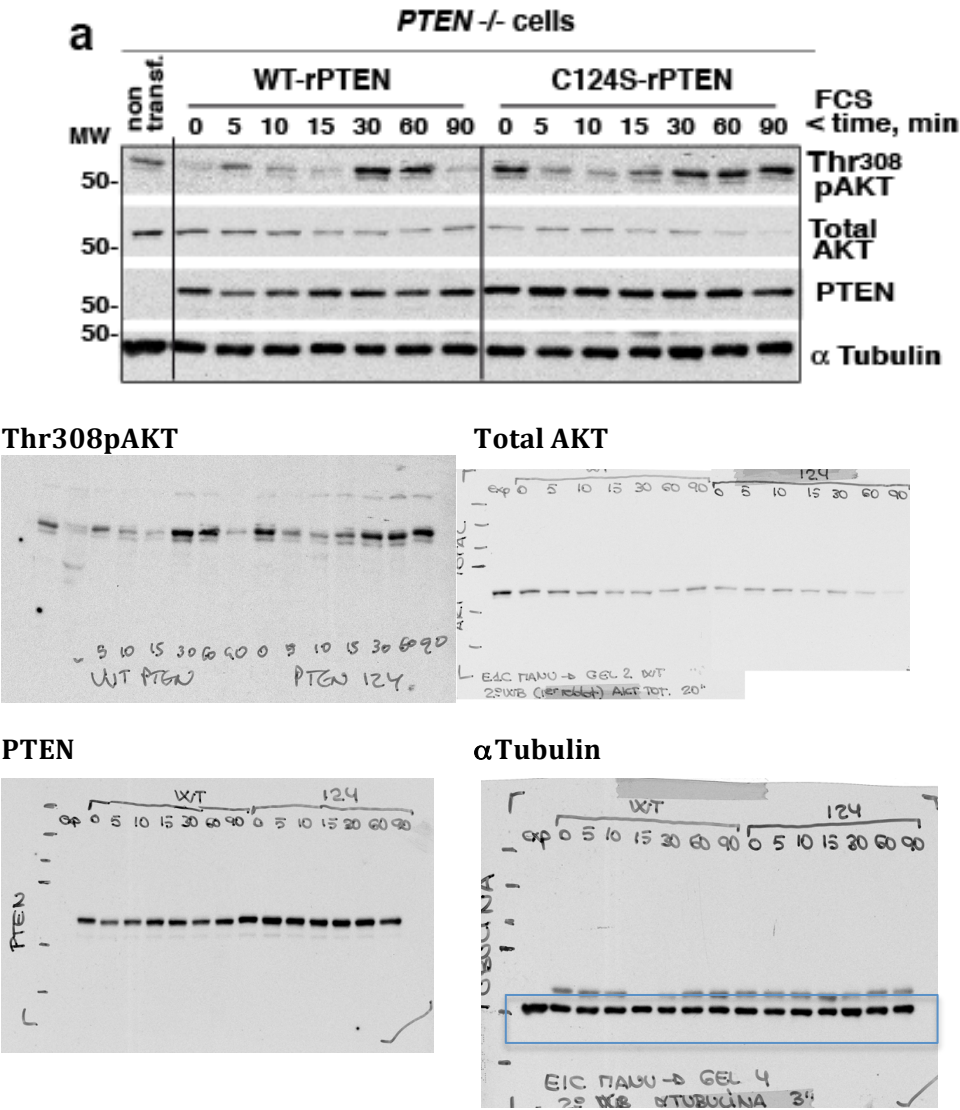
**FigS1b e1b kinetics EGF**



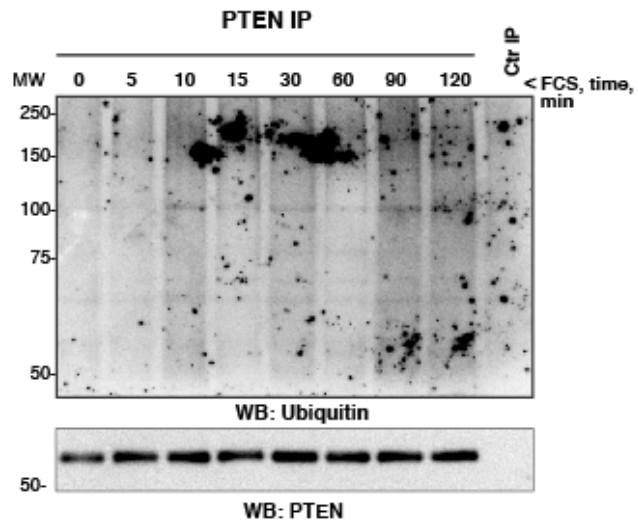
Supplemental FigS2



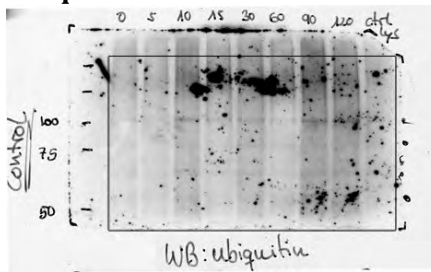
Supplemental FigS3



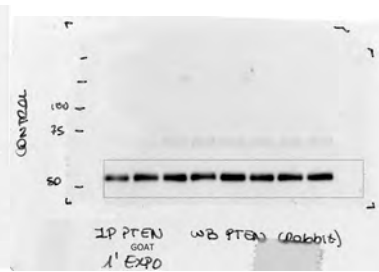
## Supplemental FigS4a



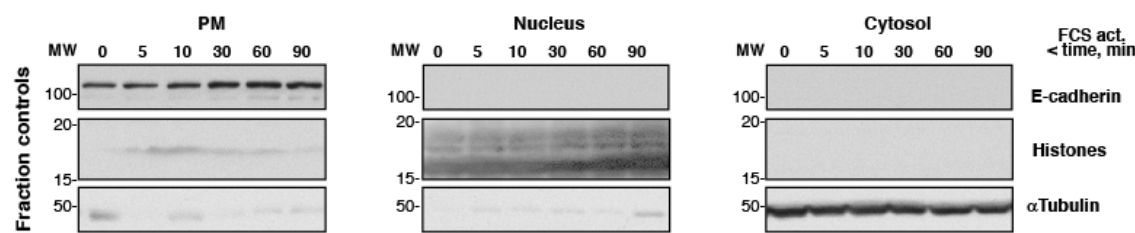
### Ubiquitin WB



### PTEN WB



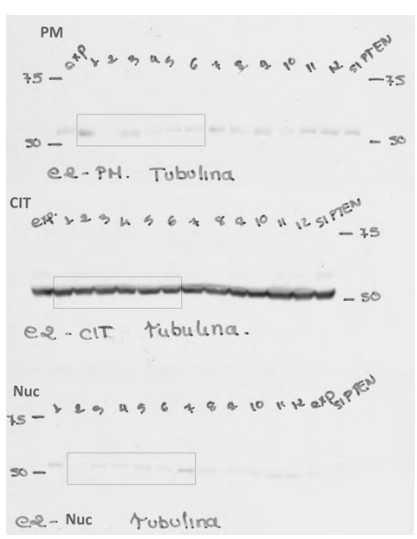
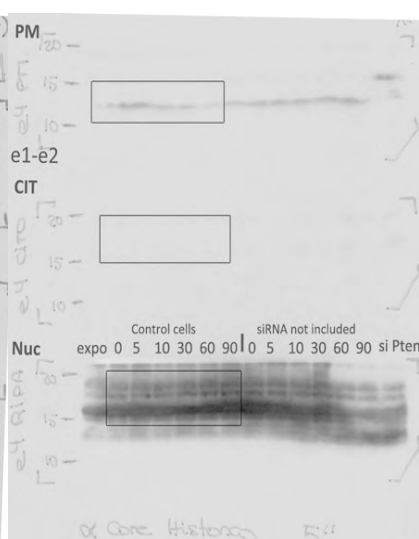
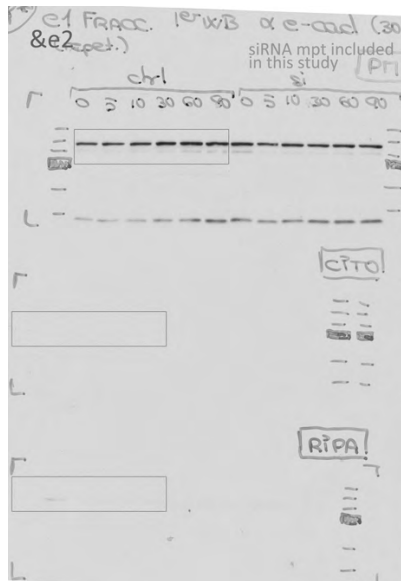
Supplemental FigS5a:



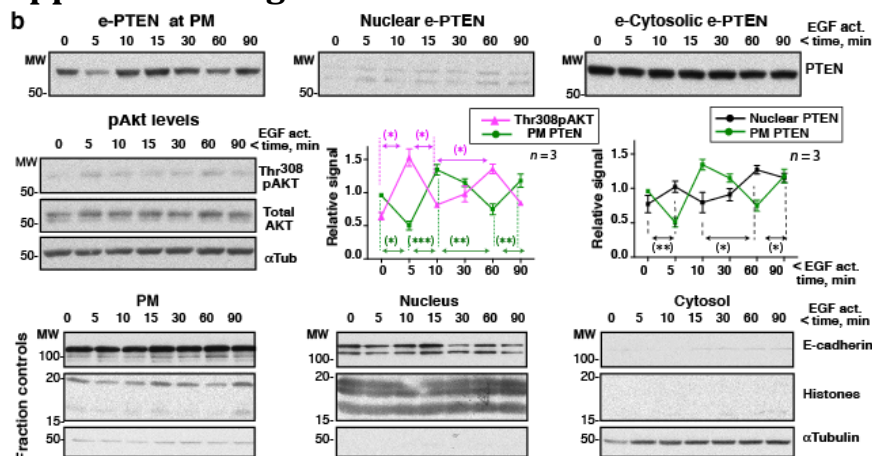
E-Cadherin

Histones

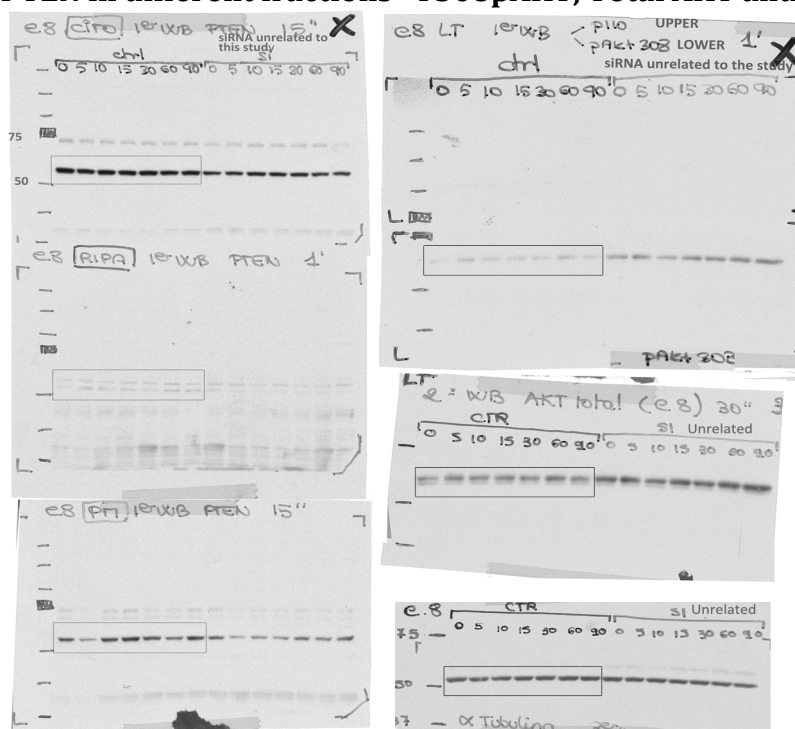
αTubulin



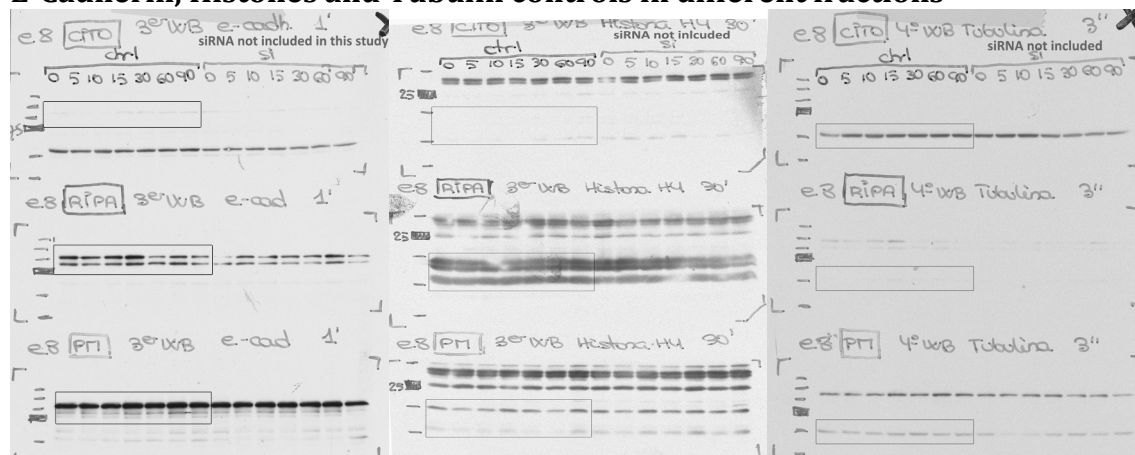
**Supplemental FigS5b:**



### PTEN in different fractions T308pAKT, Total AKT and Tubulin

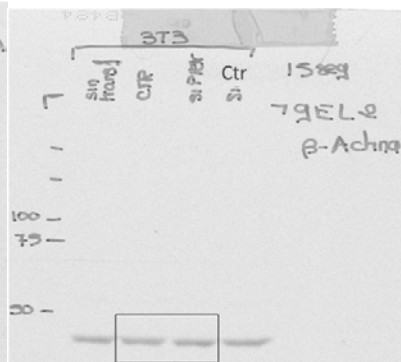
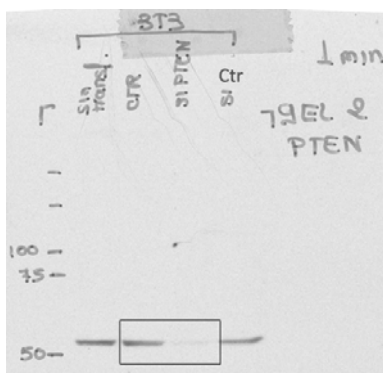
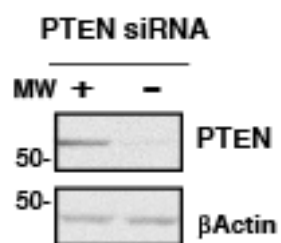


### E-Cadherin, Histones and Tubulin controls in different fractions

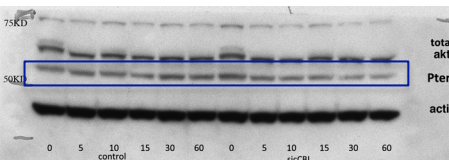
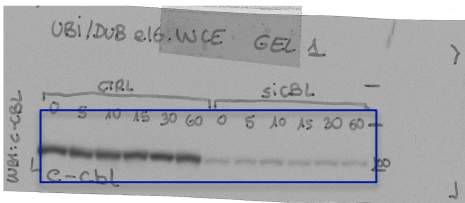
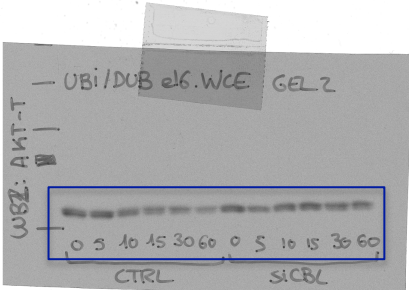
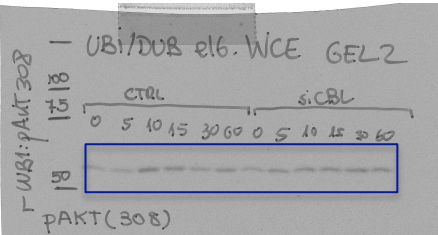
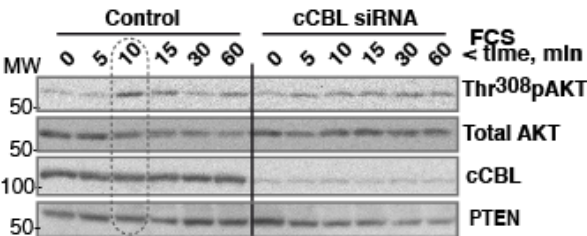
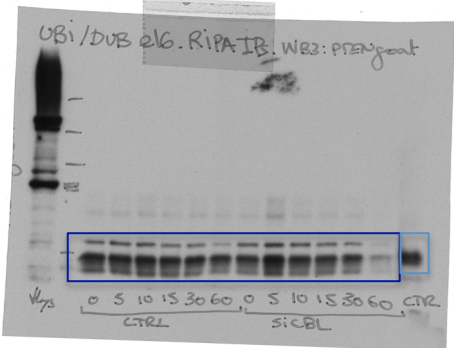
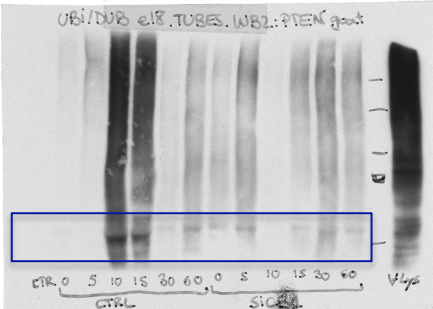
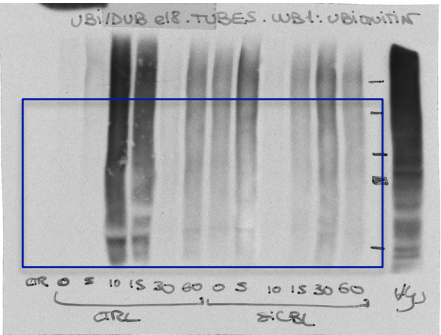
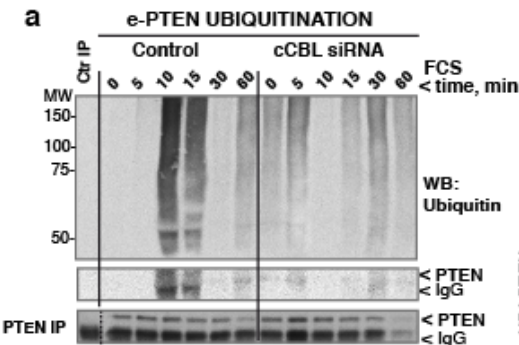




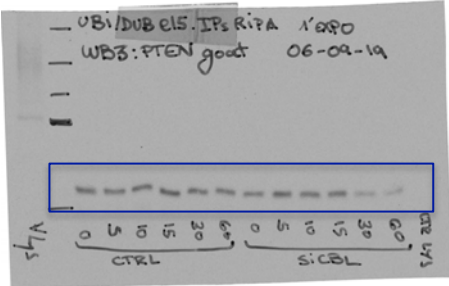
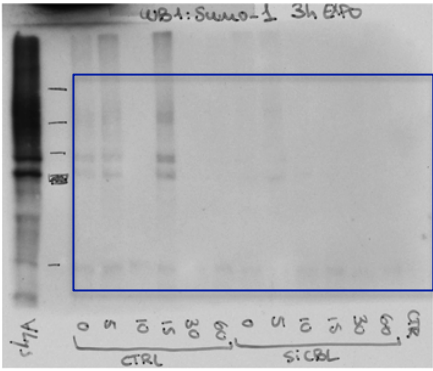
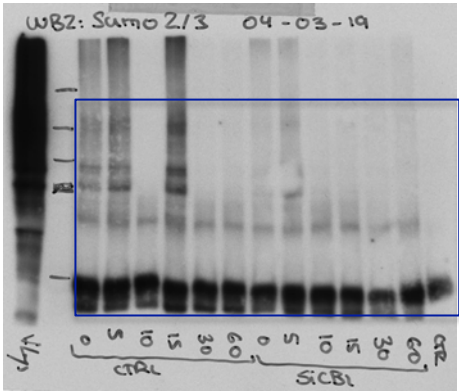
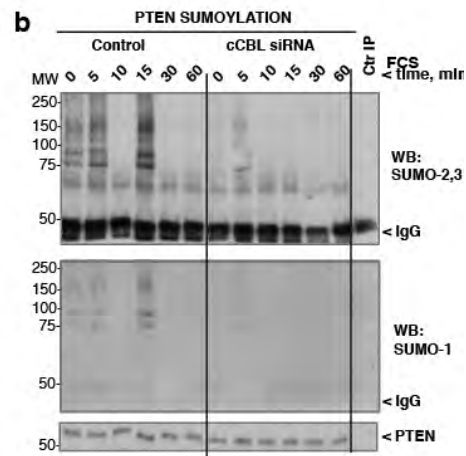
## Supplemental FigS5c:



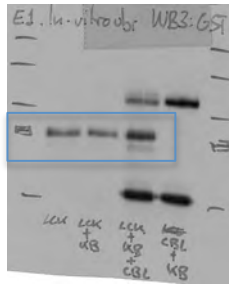
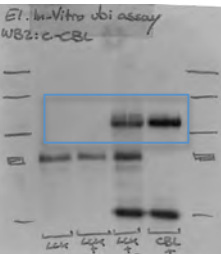
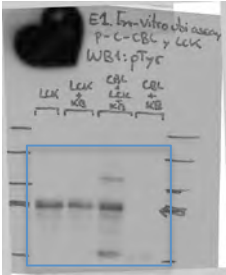
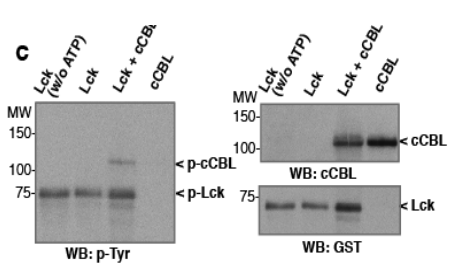
Supplemental Fig6Sa:



Supplemental Fig6b:



Supplemental Fig6c: in vitro ubi

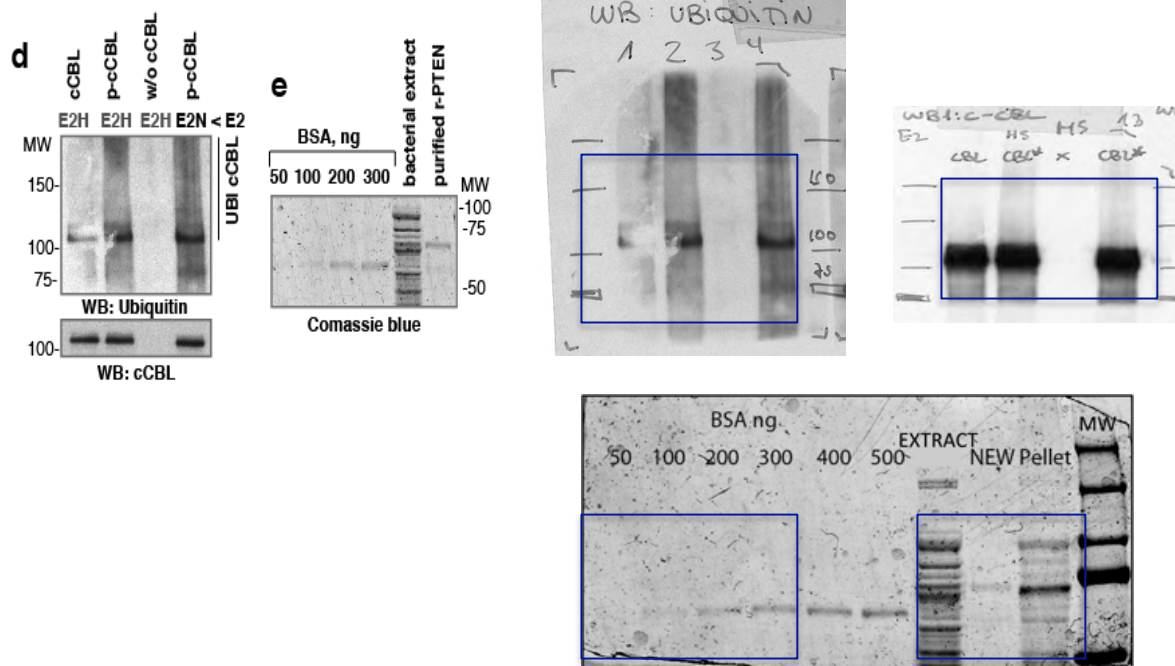


1° pTyr

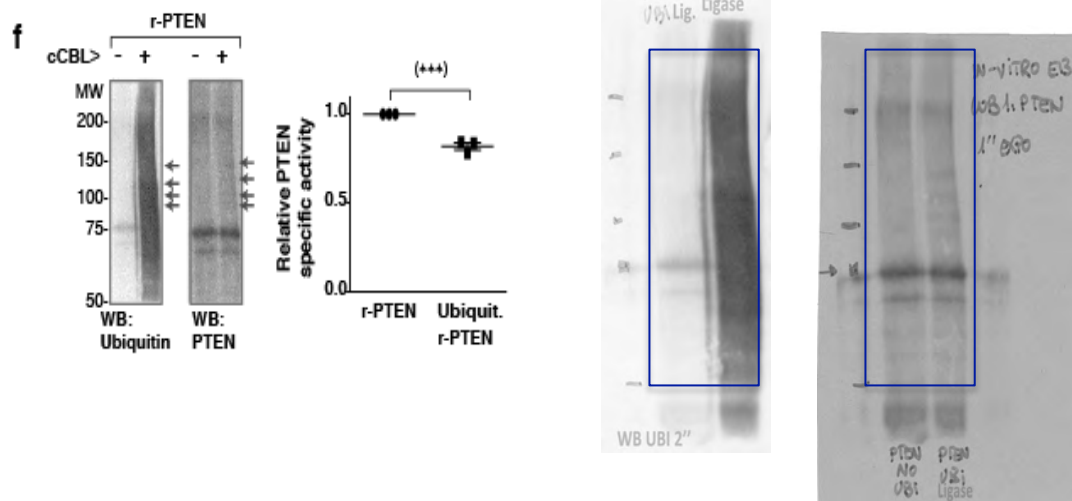
2° cCBL

3° GST

**Supplemental Fig6d and e:**

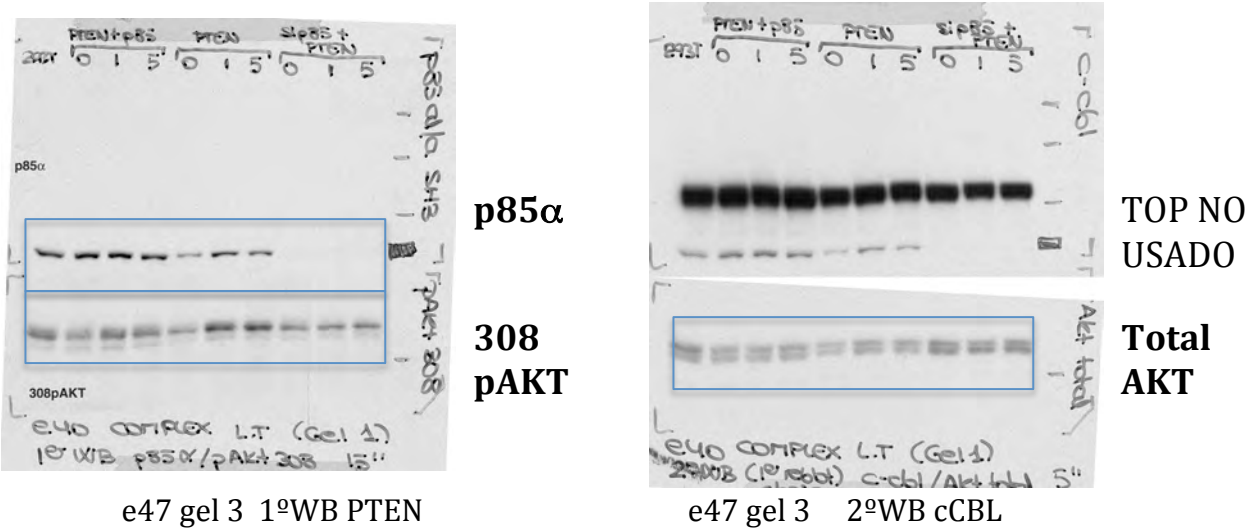


**Supplemental Fig6f:**

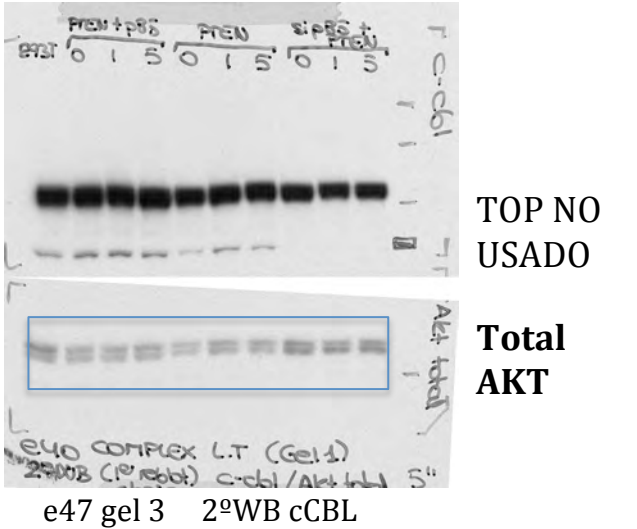


**Figura S7A NO WB**

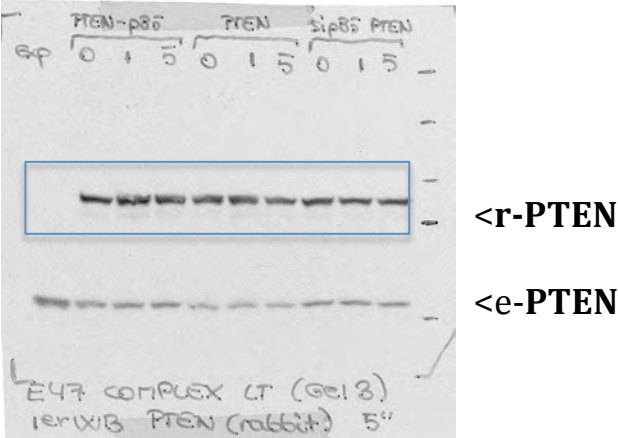
**Figura S7b** WCE controls from e40 WCE and e47 WCE  
e40 1stWB p85alpha (TOP)      e40 2°WB cCBL (TOP)  
308pAKT (BOTTOM)      TOTAL AKT (BOTTOM)



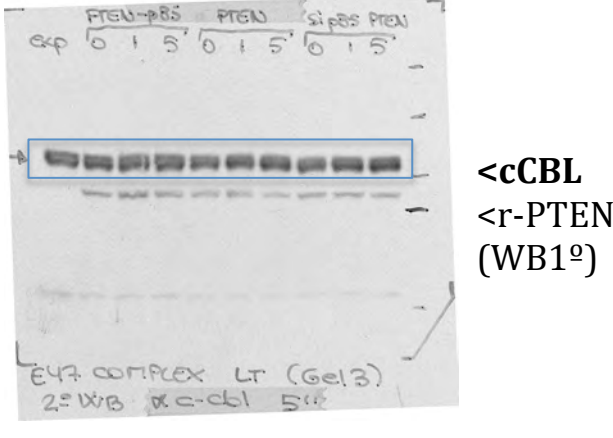
e47 gel 3 1°WB PTEN



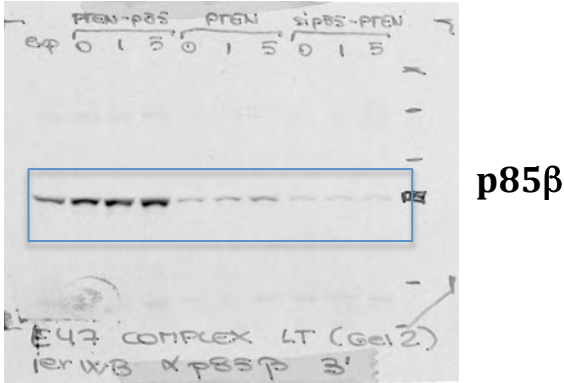
e47 gel 3 2°WB cCBL



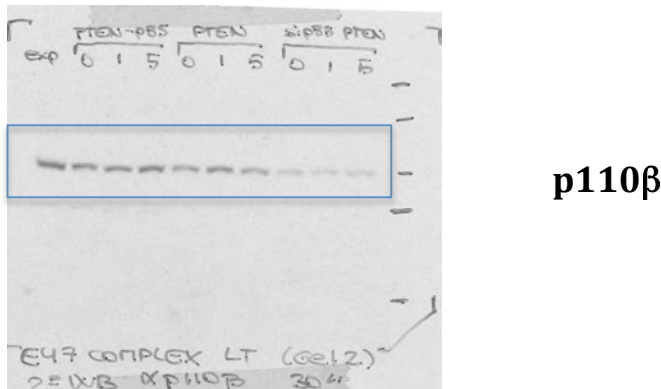
e47 gel 2 1°WB p85b



e47 gel 2 2°WB p110β

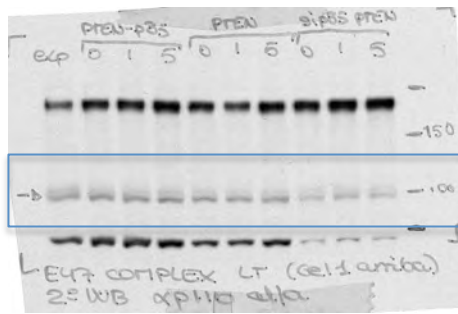


p85β



p110β

e47 gel 1 2°WB p110α(TOP)

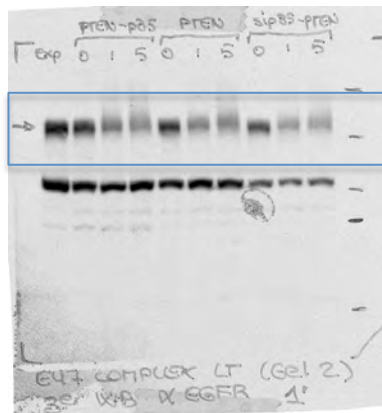


< non-specific band of  
p110α Ab

<p110α

<p85α  
(WB1°)

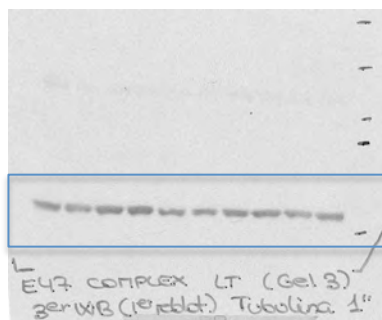
e47 gel 2 3°WB EGFR



<EGFR

< p110β (2° WB)

e47 gel 3 3°WB (after reblot) αTubulin



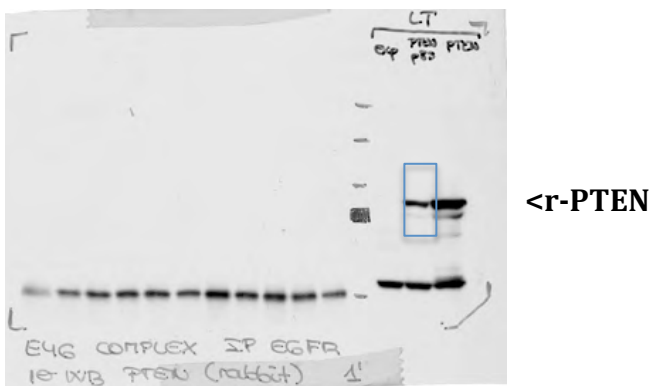
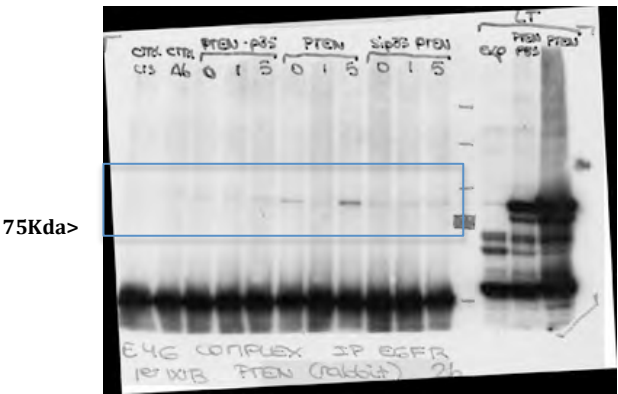
< αTubulin



**Figura S7c EGFR IP, WB PTEN**



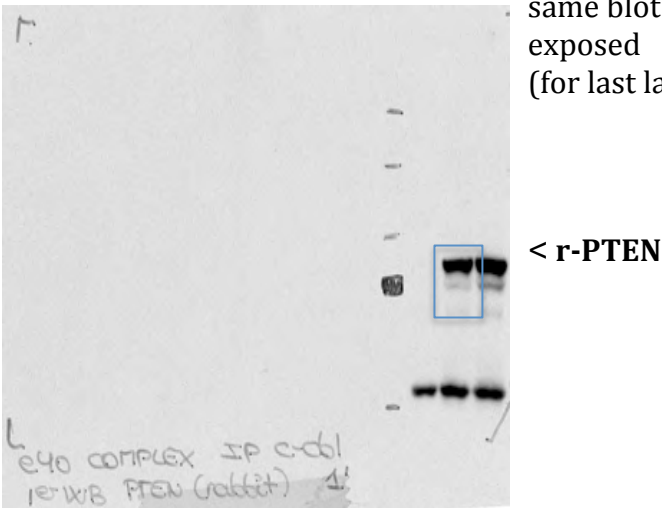
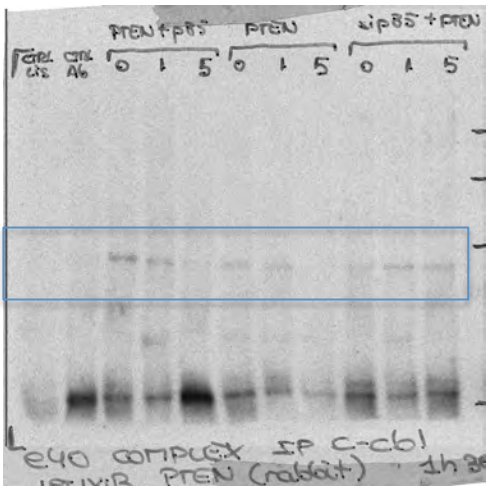
same blot less exposed (for right lane)



**Figura S7c cCBL IP, WB PTEN**



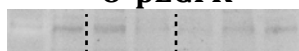
same blot less exposed (for last lane)



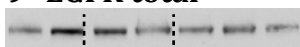
7°pTyr



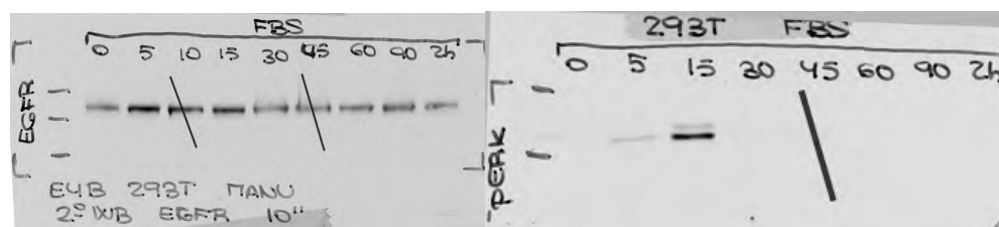
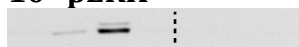
8°pEGFR



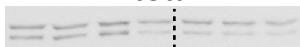
9° EGFR total



10° pERK



11° ERK total



12° βActin

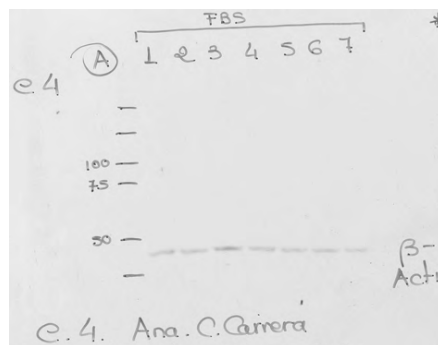
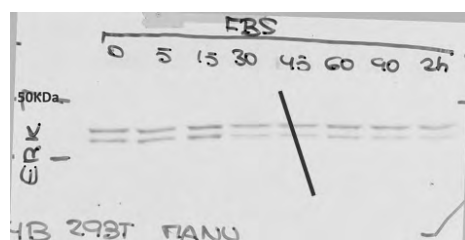
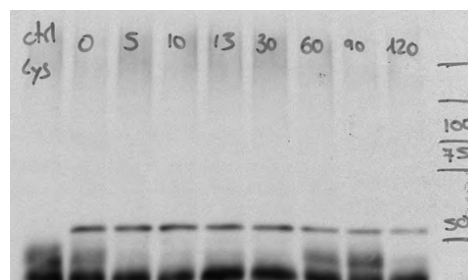
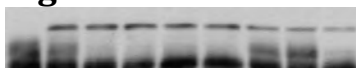
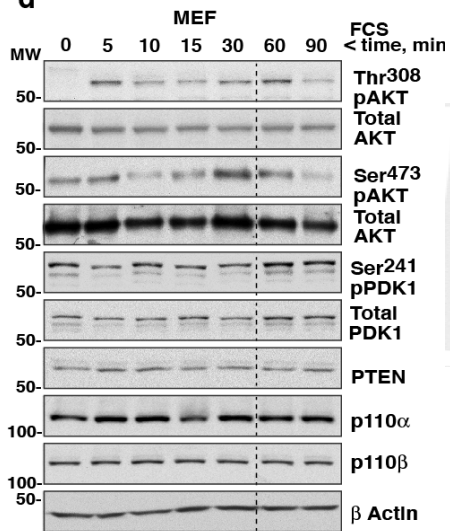


Fig1b: PTEN IP and WB



**Fig1d:**


**d**



### 1ºT308 pAKT

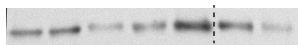


## 2ºTotal AKT

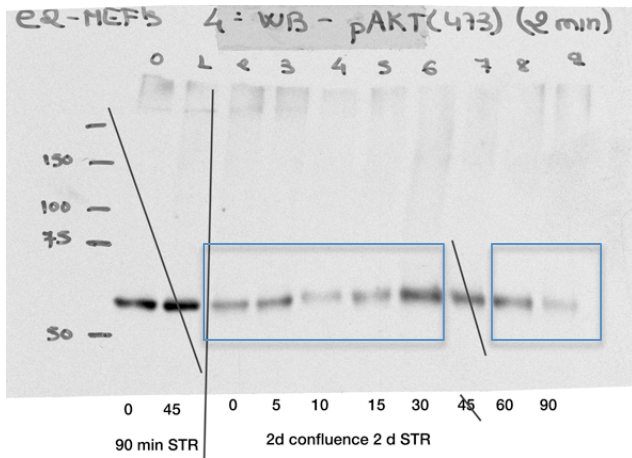
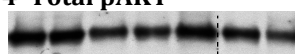


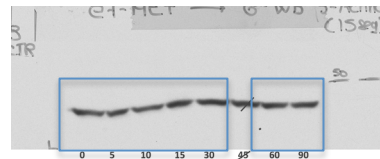
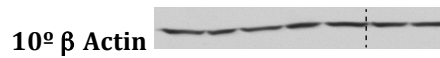
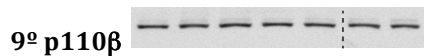
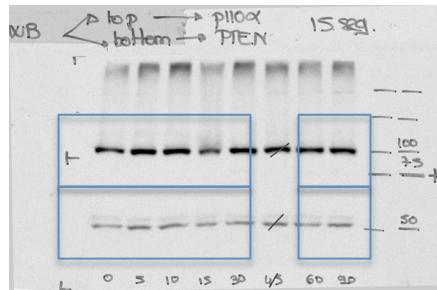
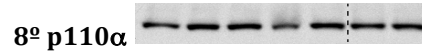
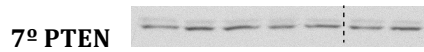
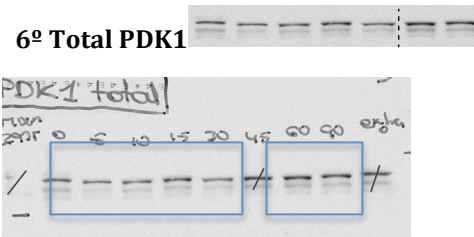
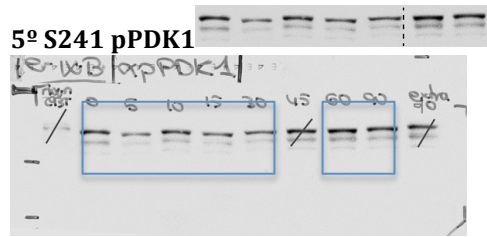
Total AKT

**3ºS473 pAKT**



#### 4ºTotal pAKT





In these experiments several gels from the same samples had to be resolved to do all the presented blots.

Fig.3a:  
**a**

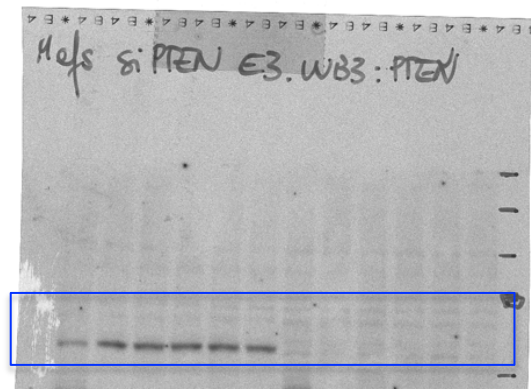
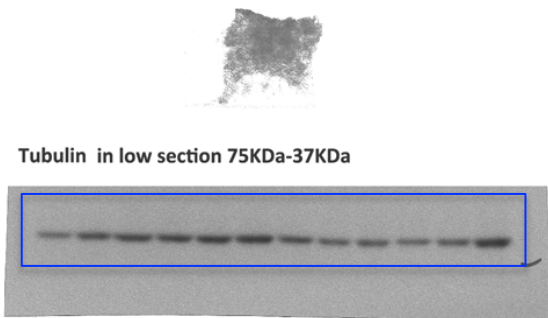
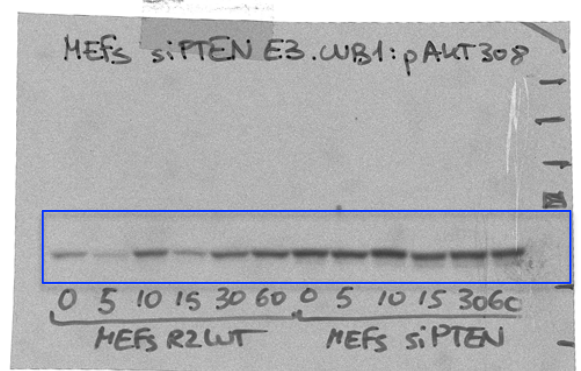
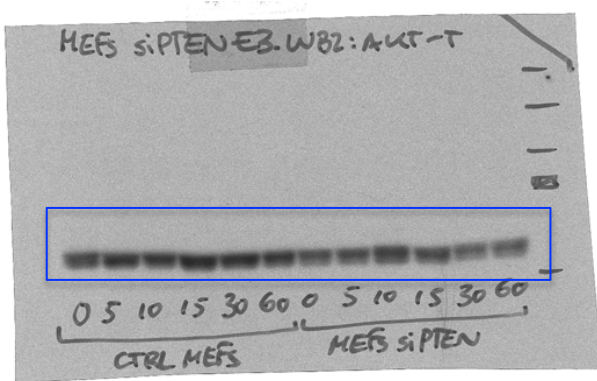
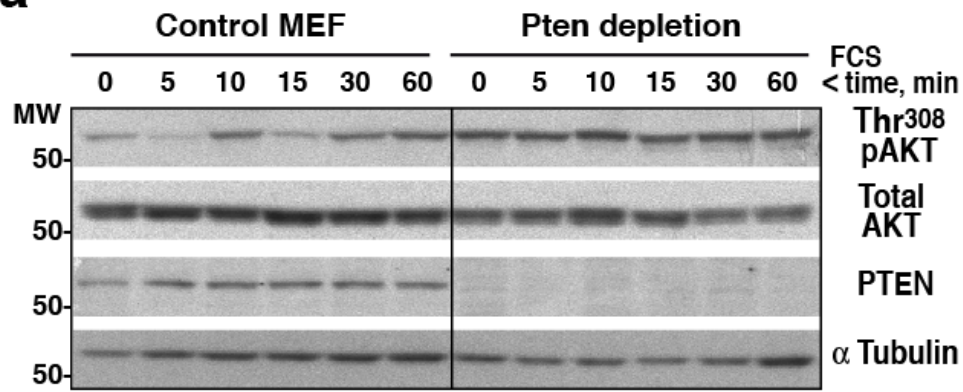
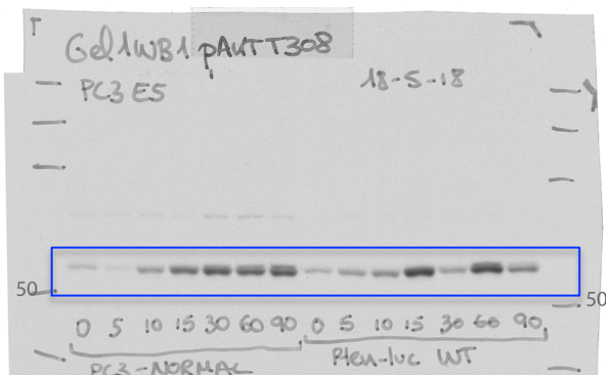
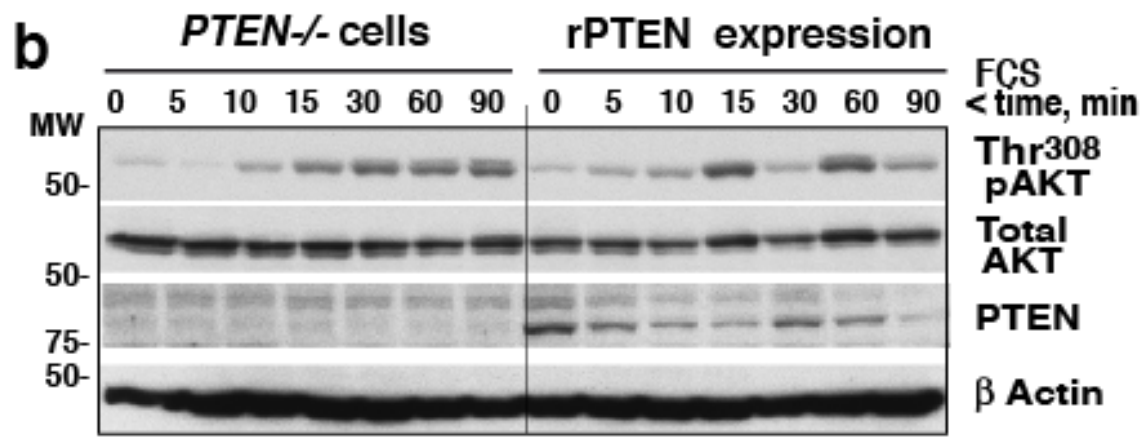
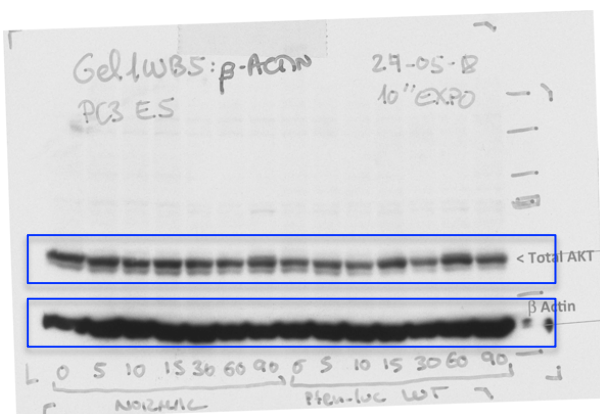




Fig.3b:

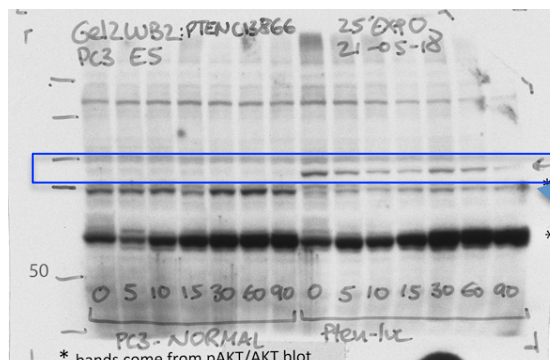


1° T308pAKT



2° AKT

<<<<4°  $\beta$  Actin

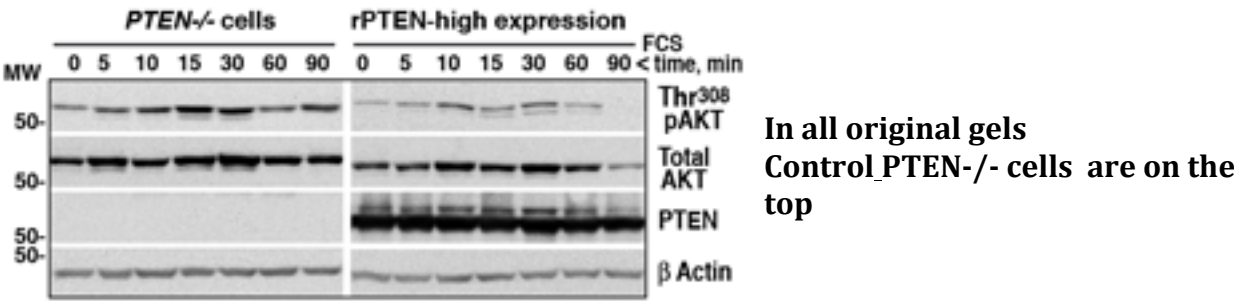


3° PTEN

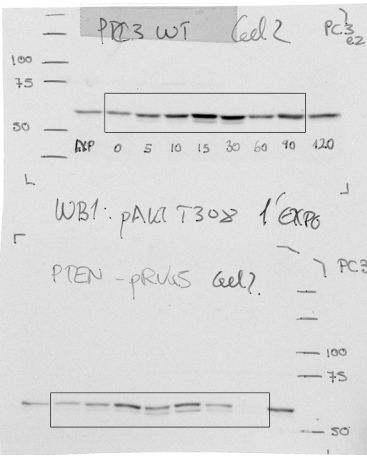
from 2° WB Total AKT  
<<from 2° WB Total AKT



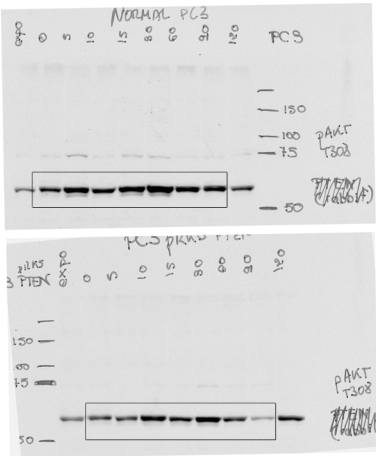
**Fig.3b bottom:**



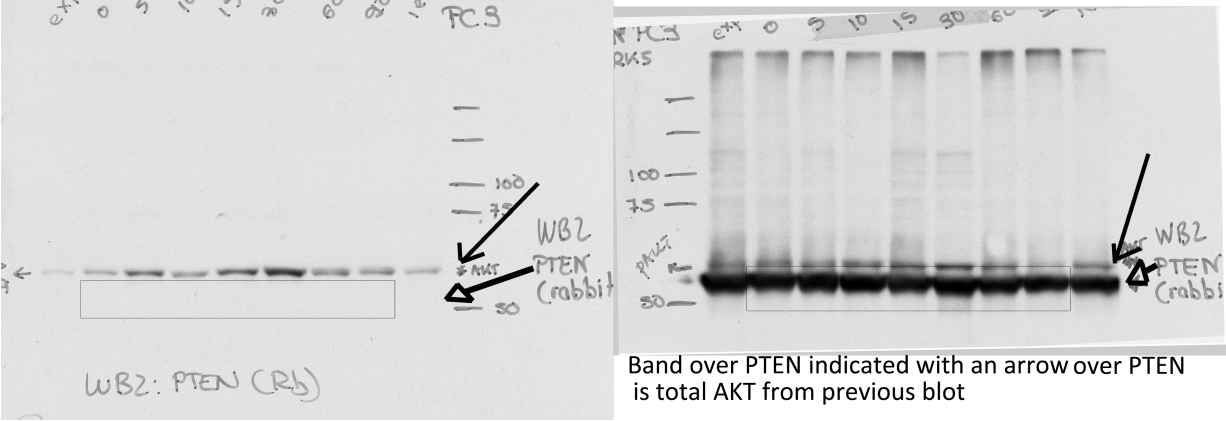
**WB T308 pAKT**



**WB Total AKT**



**WB PTEN**



**WB ACTIN (samples resolved in a new gel)**

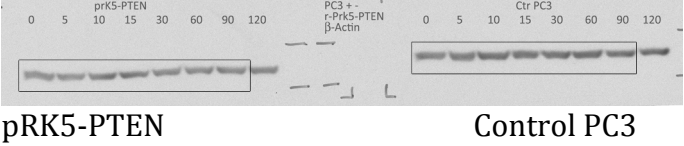
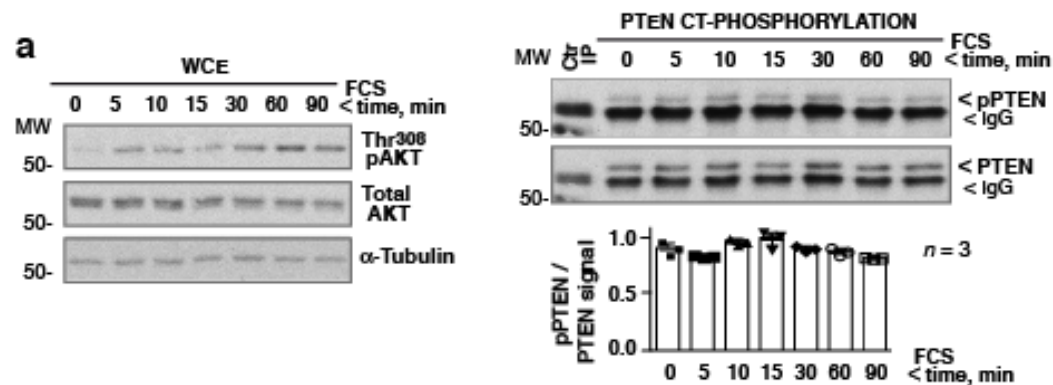
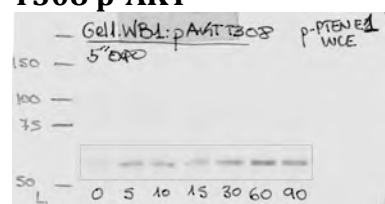


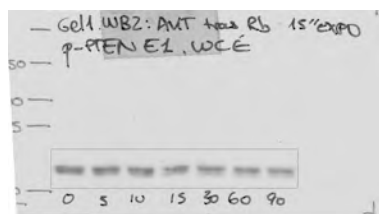
Fig. 4a:



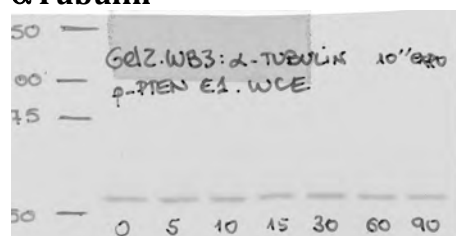
### T308 p-AKT



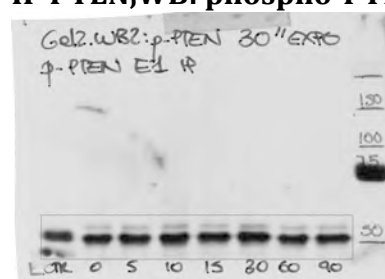
### Total AKT



### $\alpha$ Tubulin



### IP PTEN, WB: phospho-PTEN



### IP PTEN, WB: PTEN

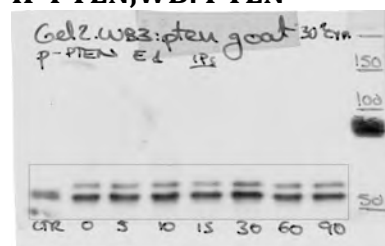


Fig. 4b:

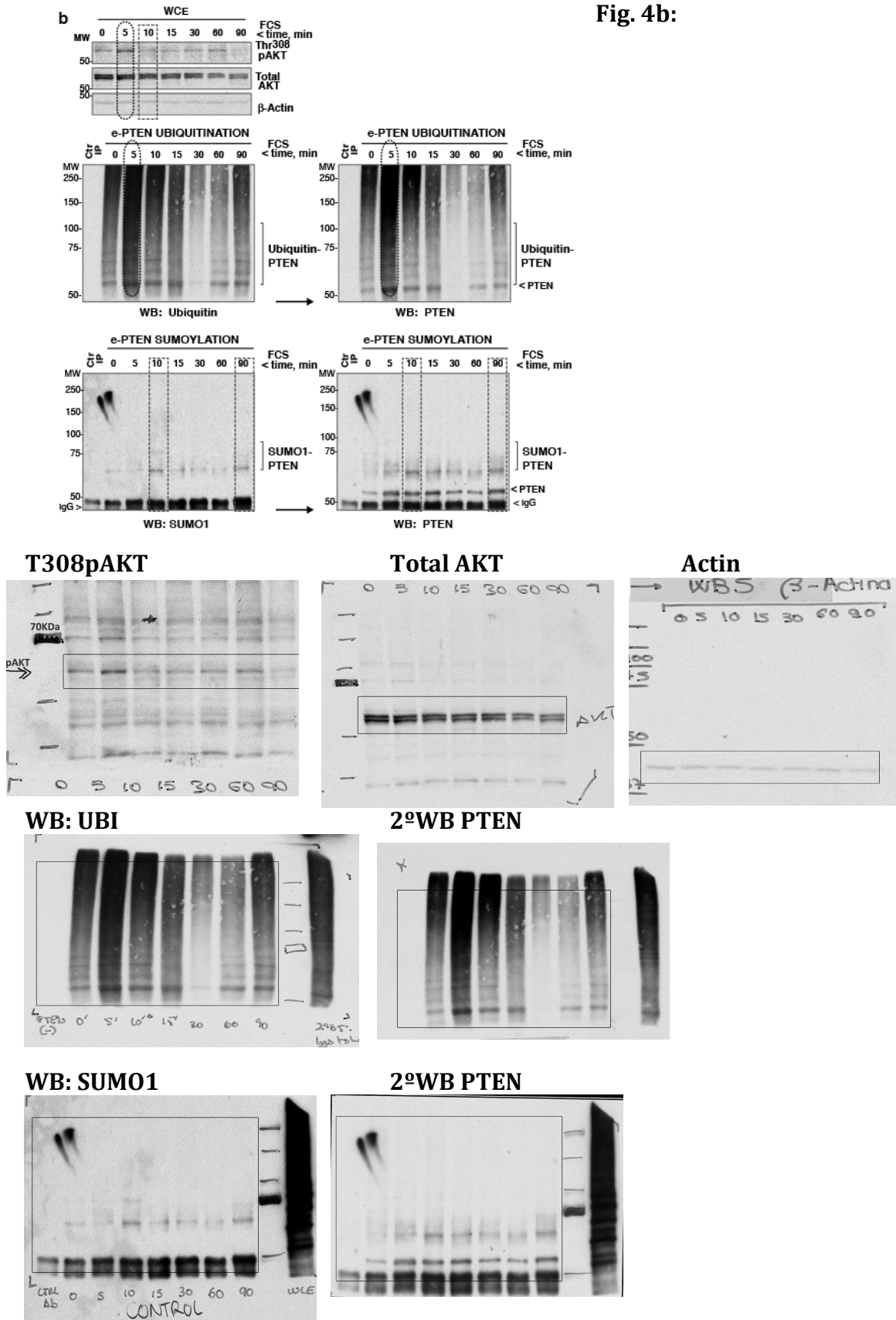


Fig5a:

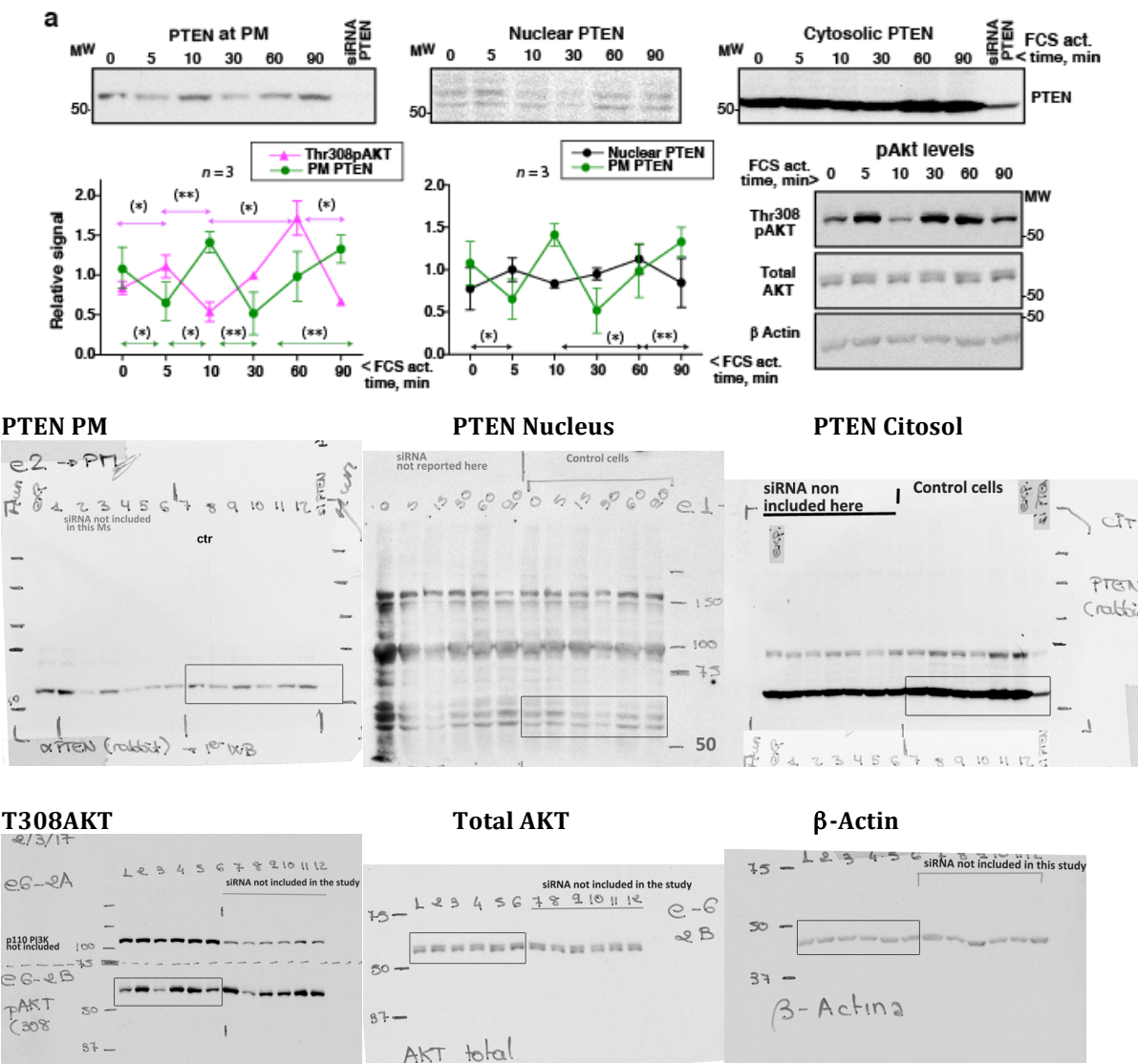
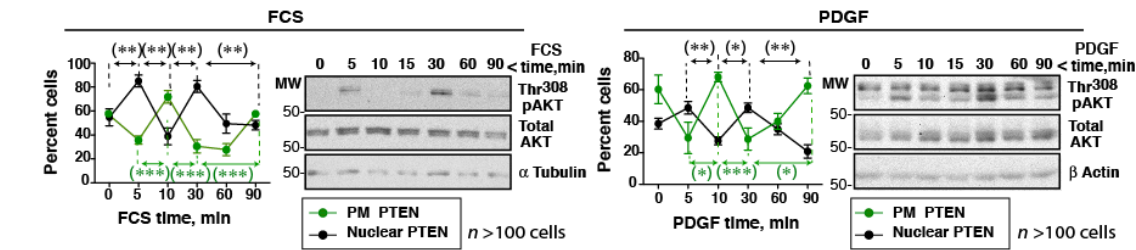


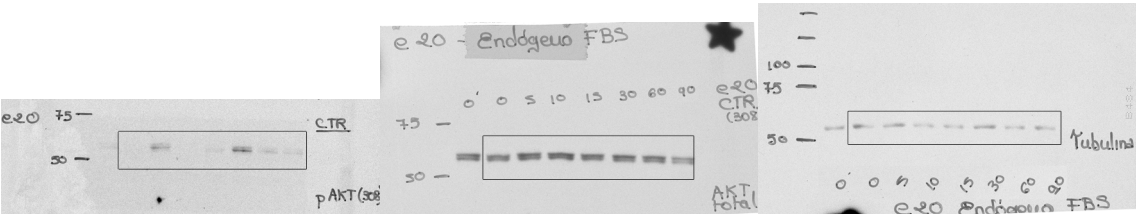
Fig5b:



FCS T308AKT

Total AKT

α-Tubulin

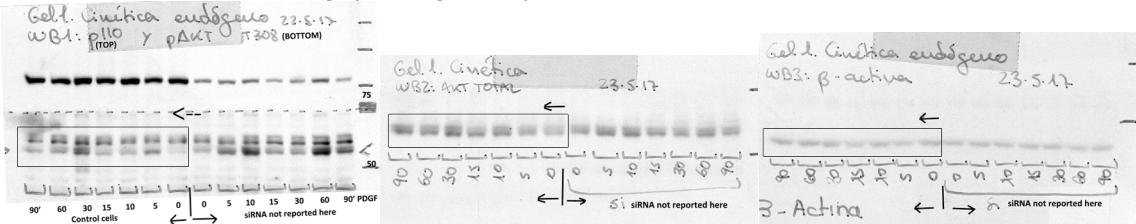


PDGF T308AKT

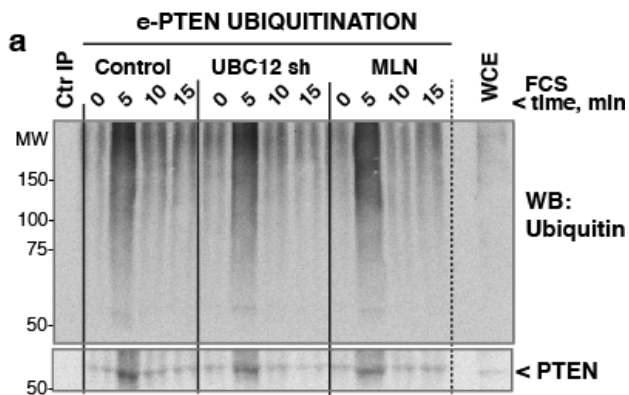
Total AKT

β-Actin

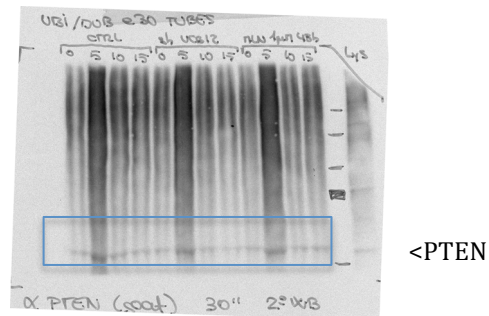
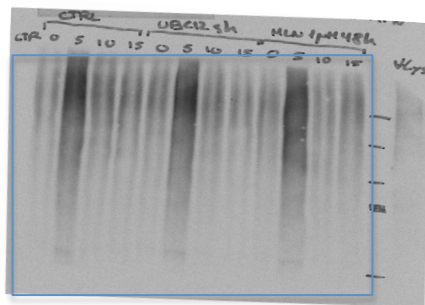
note that in these blots times go from right to left







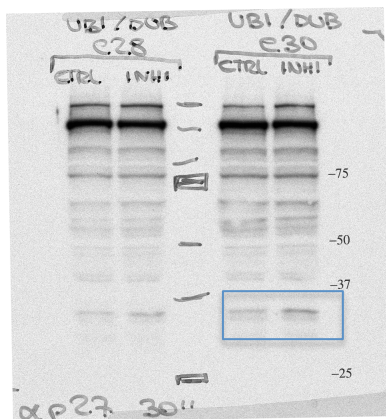
**Figure 6a**



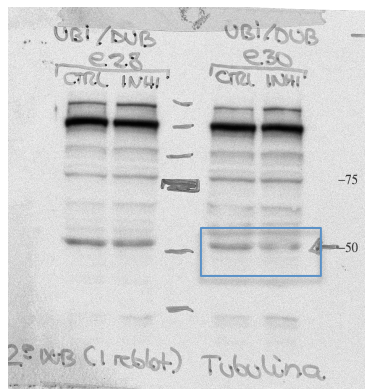
CONTROL MLN

p27

$\alpha$ Tubulin



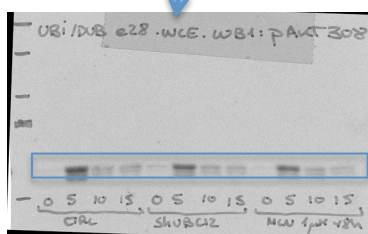
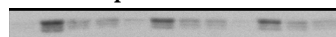
<p27



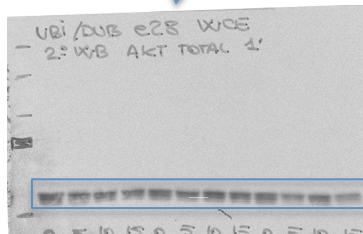
< $\alpha$ Tubulin

WCE WB

Thr308pAKT



TOTAL AKT



$\alpha$ Tubulin

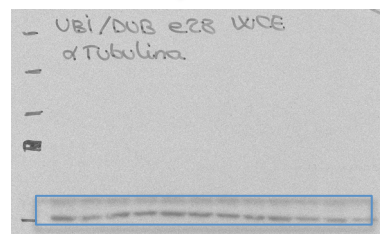
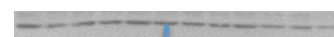
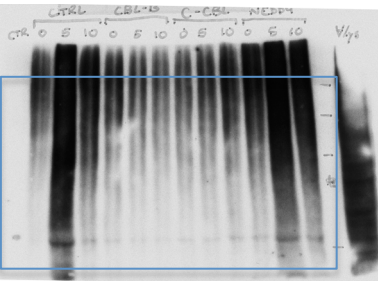
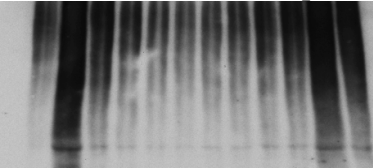


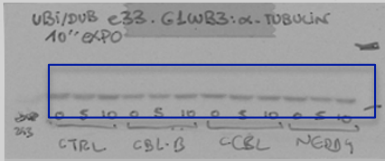
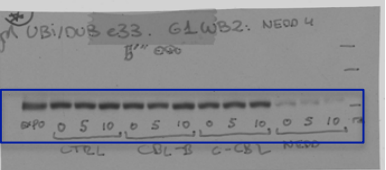
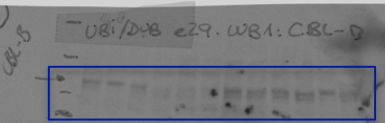
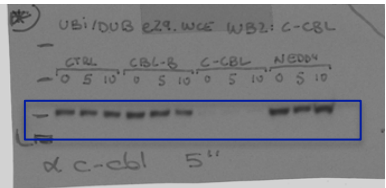
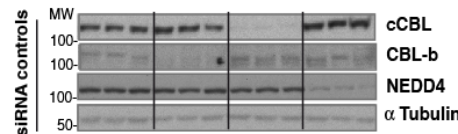


Figure 6b

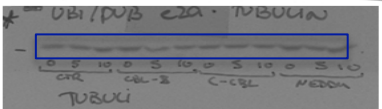
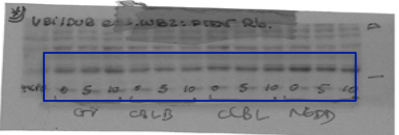
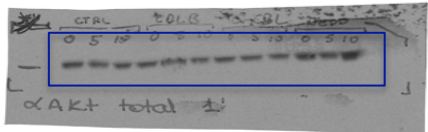
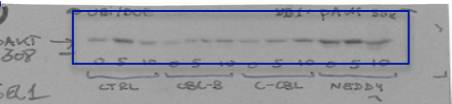
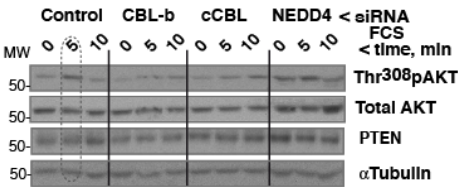
PTEN IP, 1st WB Ubiquitin



siRNA CONTROLS



pAKT PTEN CONTROLS

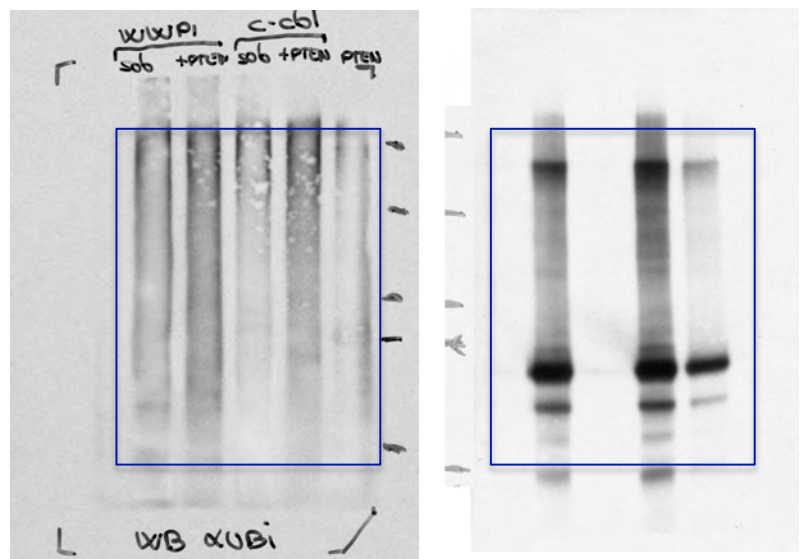
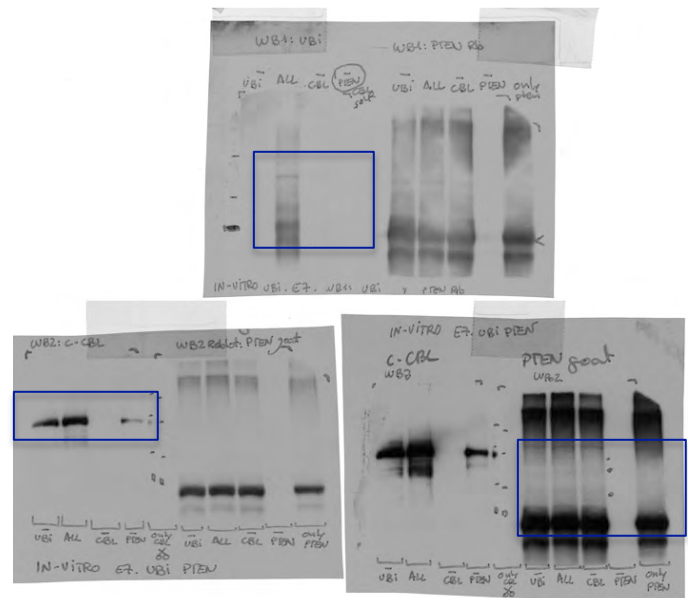


**C**

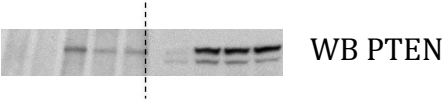
r-cCBL, E2N

r-cCBL, E2N					r-PTEN alone		
w/o UBI	Complete R	w/o r-cCBL	w/o PTEN	w/o UBI	Complete R	w/o r-cCBL	w/o PTEN
MW	+	+	+	+	+	+	+
150							
100							
75							
WB: Ubiquitin				WB: PTEN			
WB: cCBL							

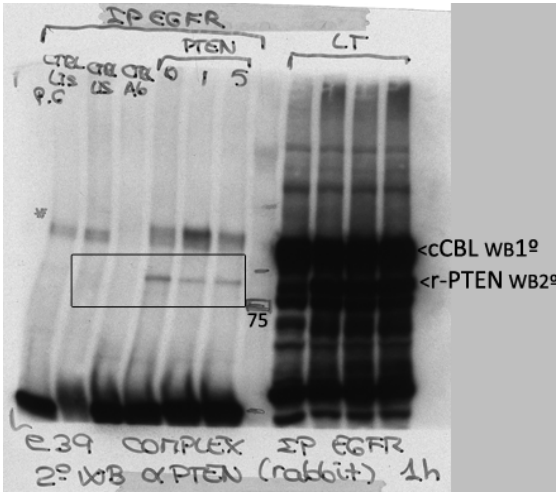
Arrows indicate PTEN ubiquitination products. Molecular weight markers (150, 100, 75 kDa) are indicated on the left. The bottom panel shows Western blots for Ubiquitin and cCBL as loading controls.



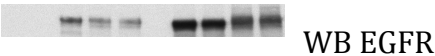
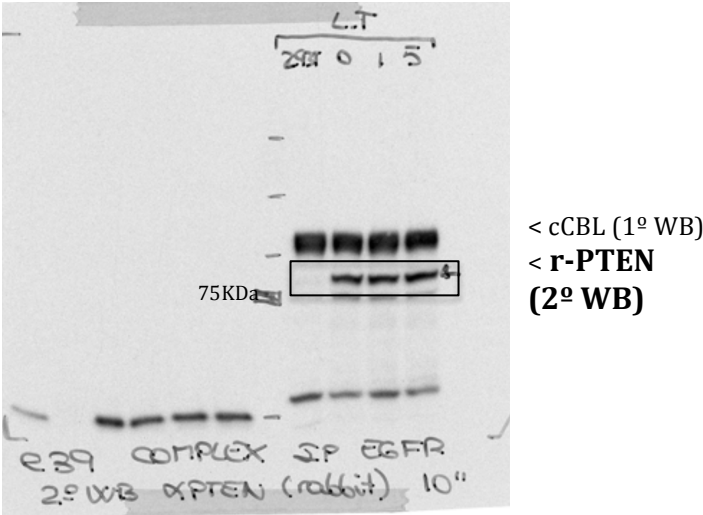
**Fig. 7a LEFT IP EGFR** WB PTEN and EGFR (LT = Total Lysate)



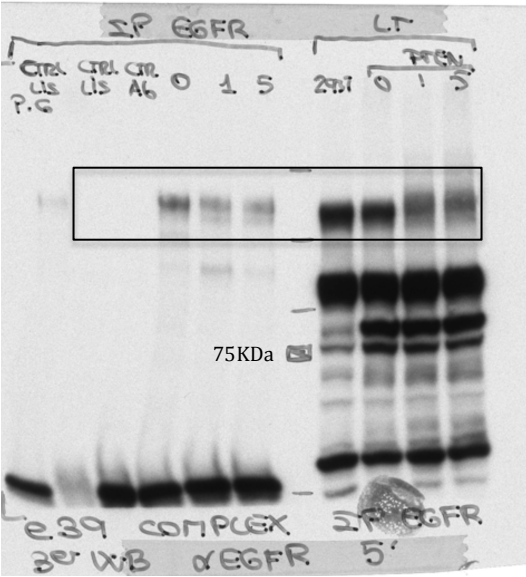
2°WB PTEN (after cCBL)



SAME GEL less exposed (for right lanes)

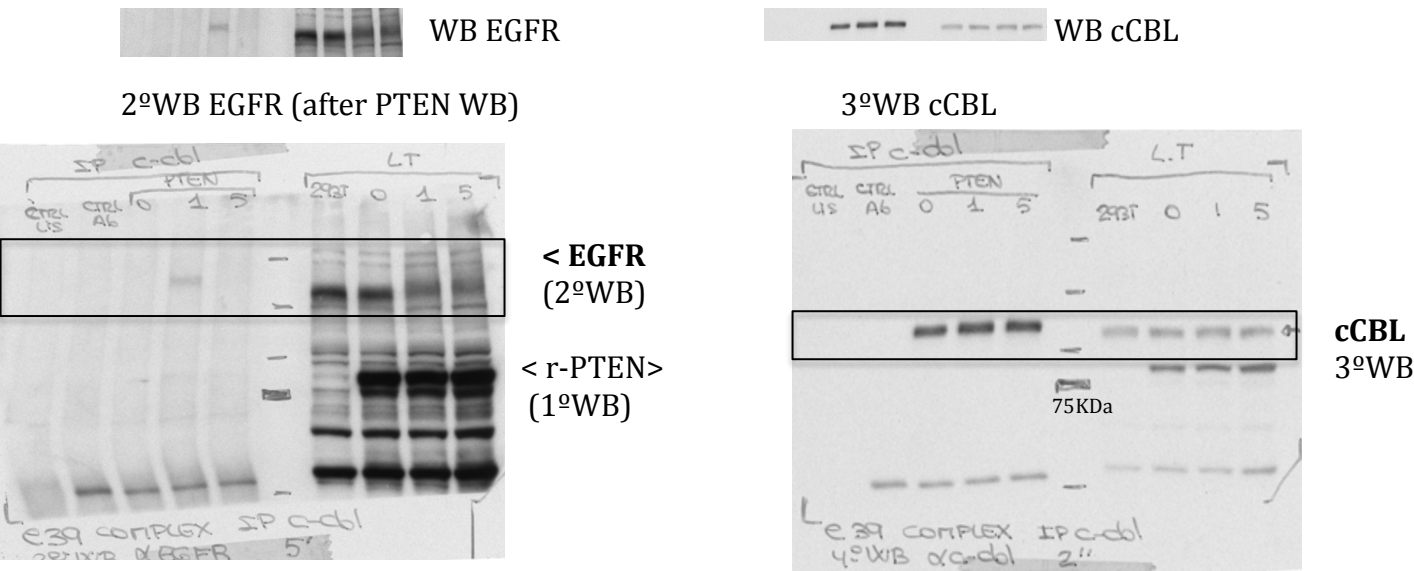


3°WB EGFR

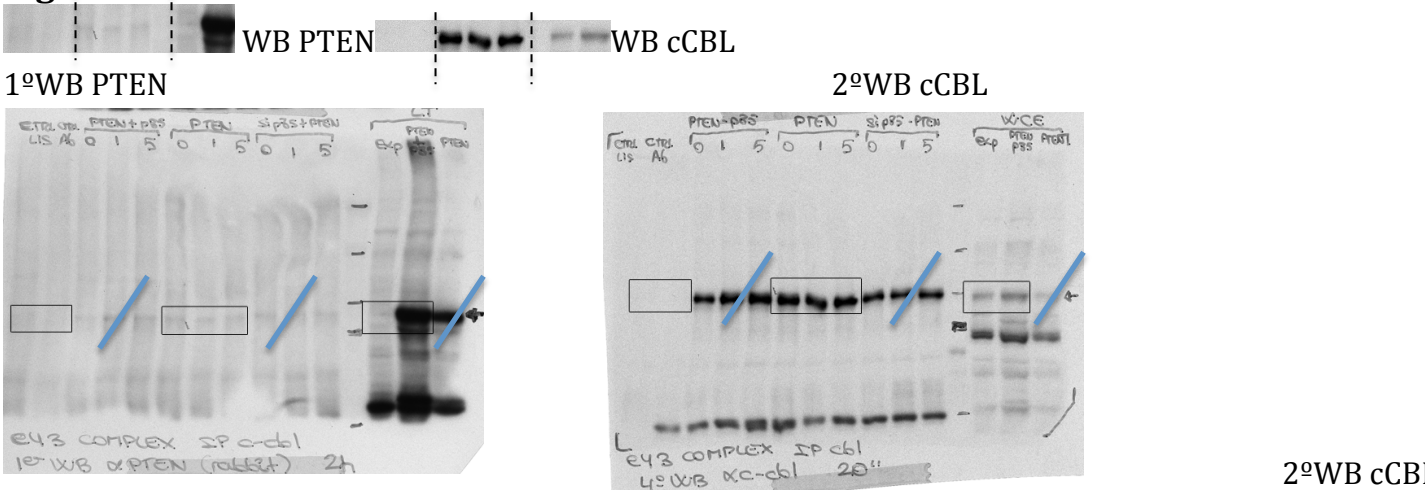


< EGFR 3°WB  
< cCBL (1° WB)  
< r-PTEN(2° WB)

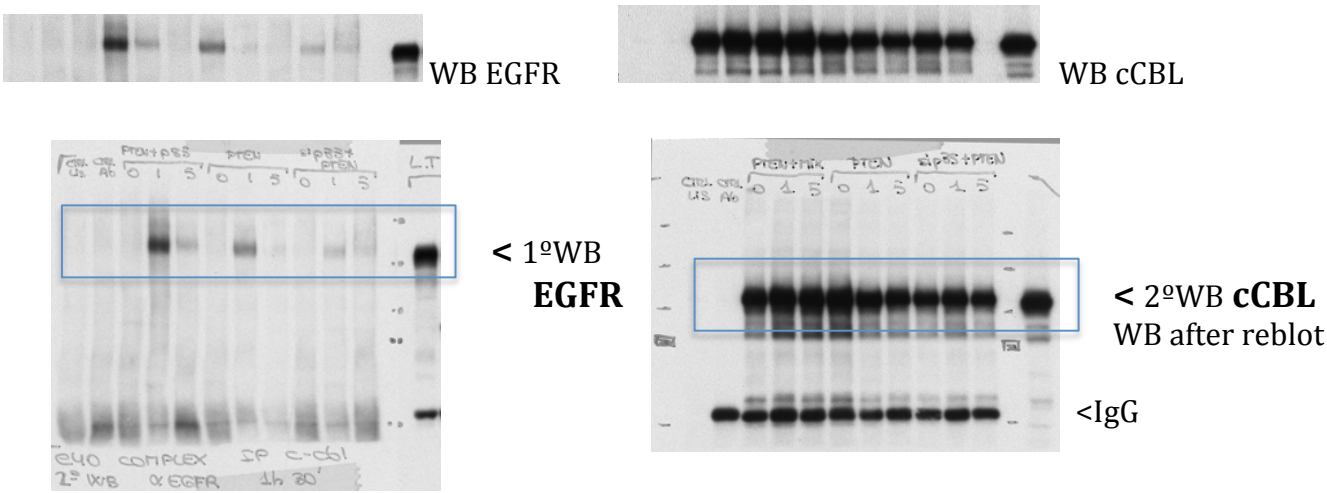
**Fig. 7a CENTRAL** cCBL IP WB EGFR and WB cCBL



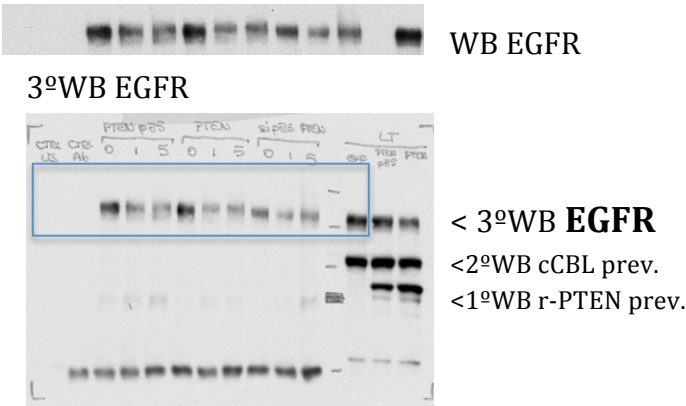
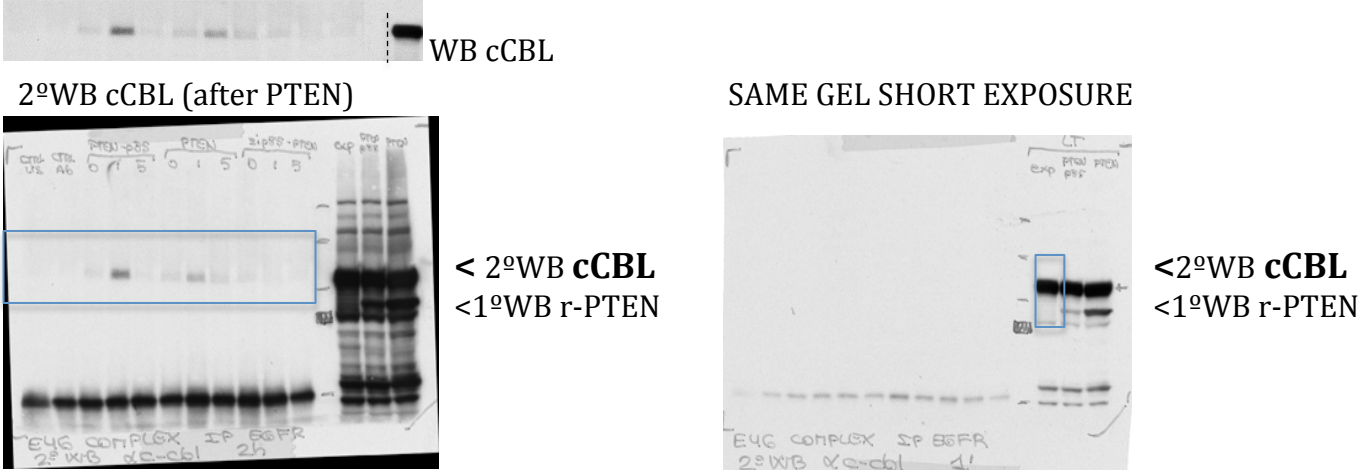
**Fig. 7a RIGHT** cCBL IP WB PTEN and WB cCBL



**Fig. 7b** cCBL IP WB EGFR and cCBL



**Fig. 7b** EGFR IP WB cCBL and EGFR





**Figura 7e**

WB cCBL  
WB  $\alpha$  Tubulin

