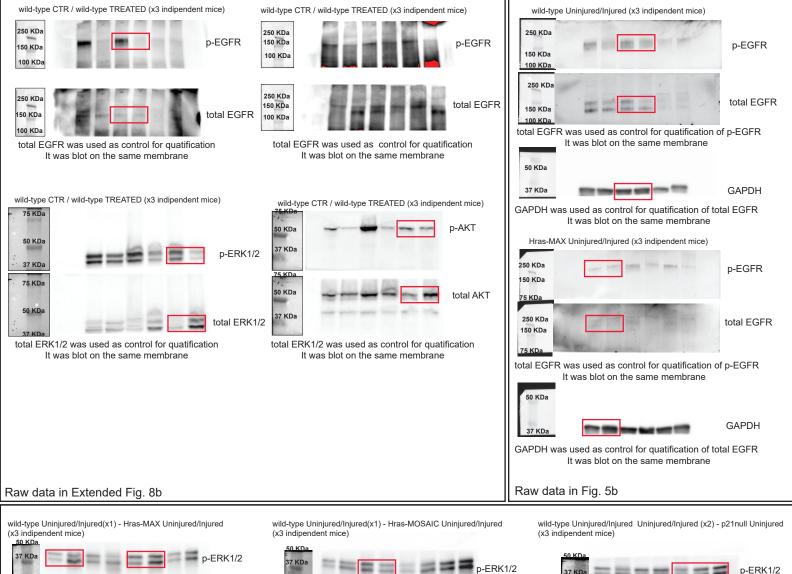
## **Supplementary information**

## Injury prevents Ras mutant cell expansion in mosaic skin

In the format provided by the authors and unedited

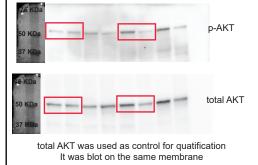
## SI Figure 1





total ERK1/2 was used as control for quatification It was blot on the same membrane

wild-type Uninjured/Injured(x1) - Hras-MAX Uninjured/Injured (x3 indipendent mice)

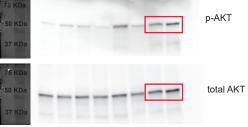


Raw data in Externded Fig.10a, b



total ERK1/2 was used as control for quatification It was blot on the same membrane

wild-type Uninjured/Injured(x1) - Hras-MOSAIC Uninjured/Injured (x3 indipendent mice)



total AKT was used as control for quatification It was blot on the same membrane





total ERK1/2 was used as control for quatification It was blot on the same membrane

wild-type Uninjured/Injured Uninjured/Injured (x2) - p21null Uninjured (x3 indipendent mice)



total AKT was used as control for quatification It was blot on the same membrane

**SI Figure 1 – Uncropped and unprocessed immunoblots** of Figure 5b (n=3 mice for each condition), Extended Figure Data Figure 8b (n=6 mice p-EGFR / EGFR, n=3 mice p-ERK1/2 / ERK1/2 and p-AKT / AKT) and Extended Data Figure 10 a, b (n=4 mice wild-type, n=3 mice HrasG12V/+-mosaic, n=3 mice HrasG12V/+-max). For statistical and densitometry analyses see figure legends and data sources. Membrane were cut around the molecular weight of interest before blotting. Molecular markers were acquired with colorimetric setting. Proteins were detected by western blotting, using the indicated antibodies and the red rectangles show the cropping location.