

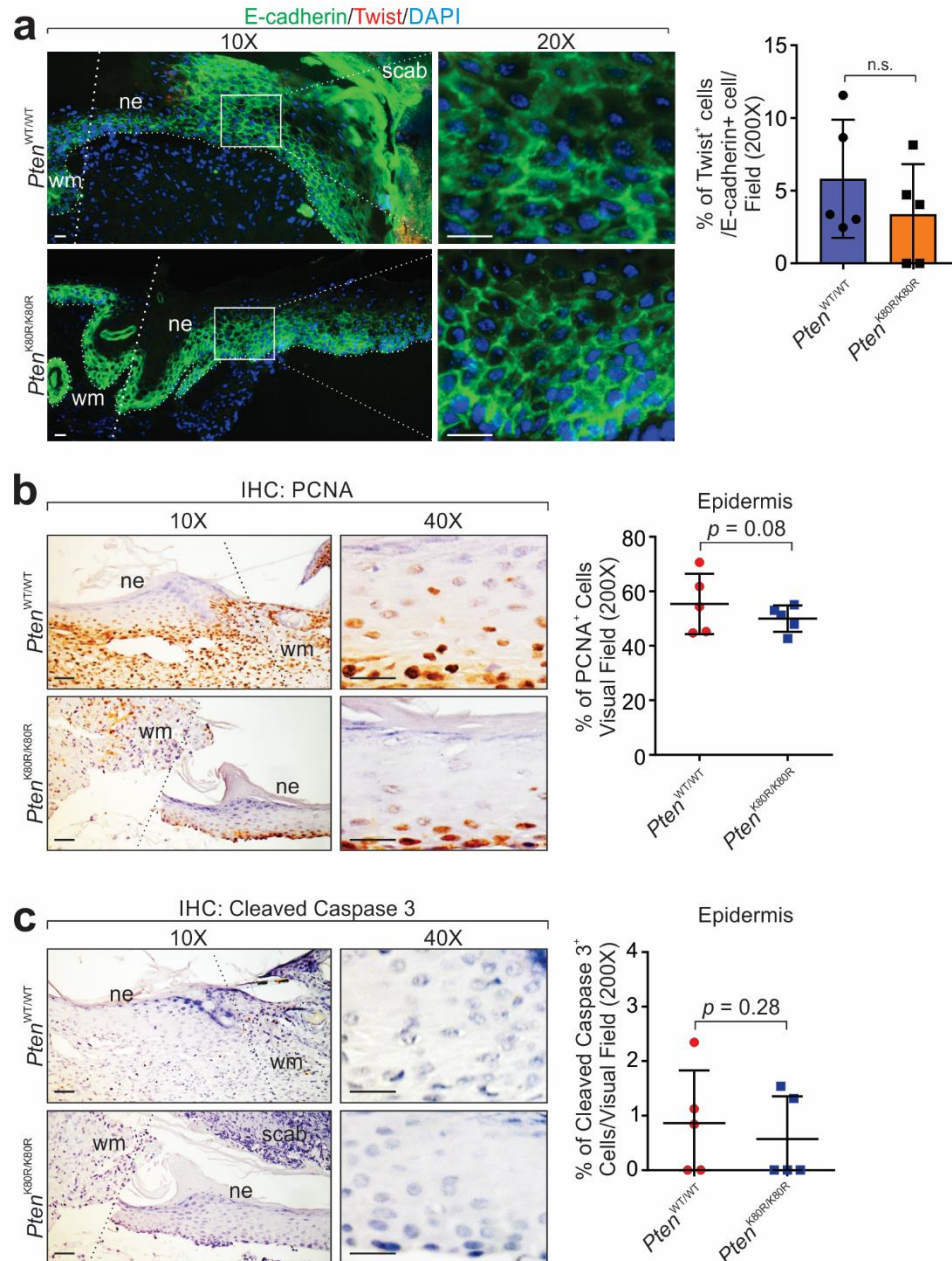


Figure S13: Polyubiquitination of PTEN facilitates EMT in vivo.

(a) Representative images of immunolabeling for E-cadherin (green) and Twist1 (red) in post-wounded skin area of *Pten*^{WT/WT} and *Pten*^{K80R/K80R} mice at day 6 (left) and quantification of the percent Twist1⁺ cells per visual field (200X) (right) (n= 5 animals per group), scale bar: 100 μ m. Error bars, SD, Student's *t*-test. (b, c) IHC detection of PCNA (b) or cleaved caspase 3 (c) in in post-wounded skin area of *Pten*^{WT/WT} and *Pten*^{K80R/K80R} mice at day 6. Left panels: representative

images; right panels: quantification of the percent PCNA⁺ or cleaved caspase 3⁺ cells in epidermis per visual field (200X) (n= 5 animals per group), scale bar: 100 μ m. Error bars, SD, Student's *t*-test. (n.s. $p>0.05$).