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Title	The paxillin-plectin-EPLIN complex promotes apical elimination of RasV12-transformed cells by modulating HDAC6-regulated tubulin acetylation
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Supplementary Information

The paxillin-plectin-EPLIN complex promotes apical elimination of RasV12-transformed cells by modulating HDAC6-regulated tubulin acetylation

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Supplementary Figure S1-3

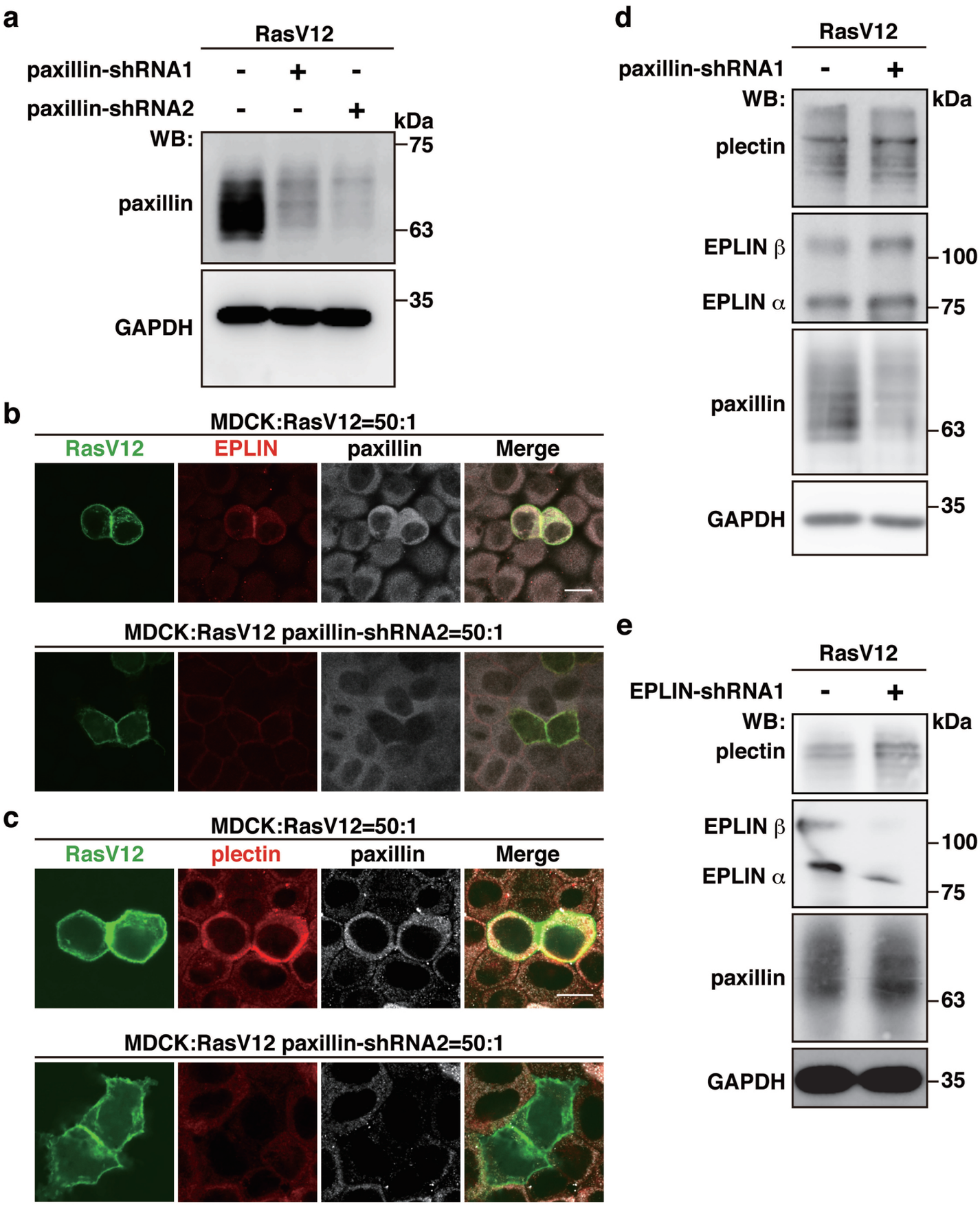


Figure S1. Paxillin regulates accumulation of EPLIN and plectin in RasV12-transformed cells that are surrounded by normal epithelial cells. (**a**) Establishment of MDCK-pTR GFP-RasV12 cells stably expressing paxillin-shRNA1 or -shRNA2. Expression of GFP-RasV12 was induced with tetracycline treatment, followed by western blotting with the indicated antibodies. (**b**,**c**) Effect of paxillin-knockdown on EPLIN accumulation (**b**) or plectin accumulation (**c**). MDCK-pTR GFP-RasV12 cells or MDCK-pTR GFP-RasV12 paxillin-shRNA2 cells were mixed with normal MDCK cells on collagen gels. Cells were fixed after 16 h incubation with tetracycline and stained with anti-EPLIN (**b**) or anti-plectin (**c**) (red), and anti-paxillin (grey) antibodies and Hoechst (blue). Scale bars, 10 μm. (**d**, **e**) Effect of paxillin- or EPLIN-knockdown on expression of paxillin, plectin and EPLIN in MDCK-pTR GFP-RasV12 cells cultured alone. Cell lysates of the parental or knockdown cells were analysed by western blotting with the indicated antibodies.

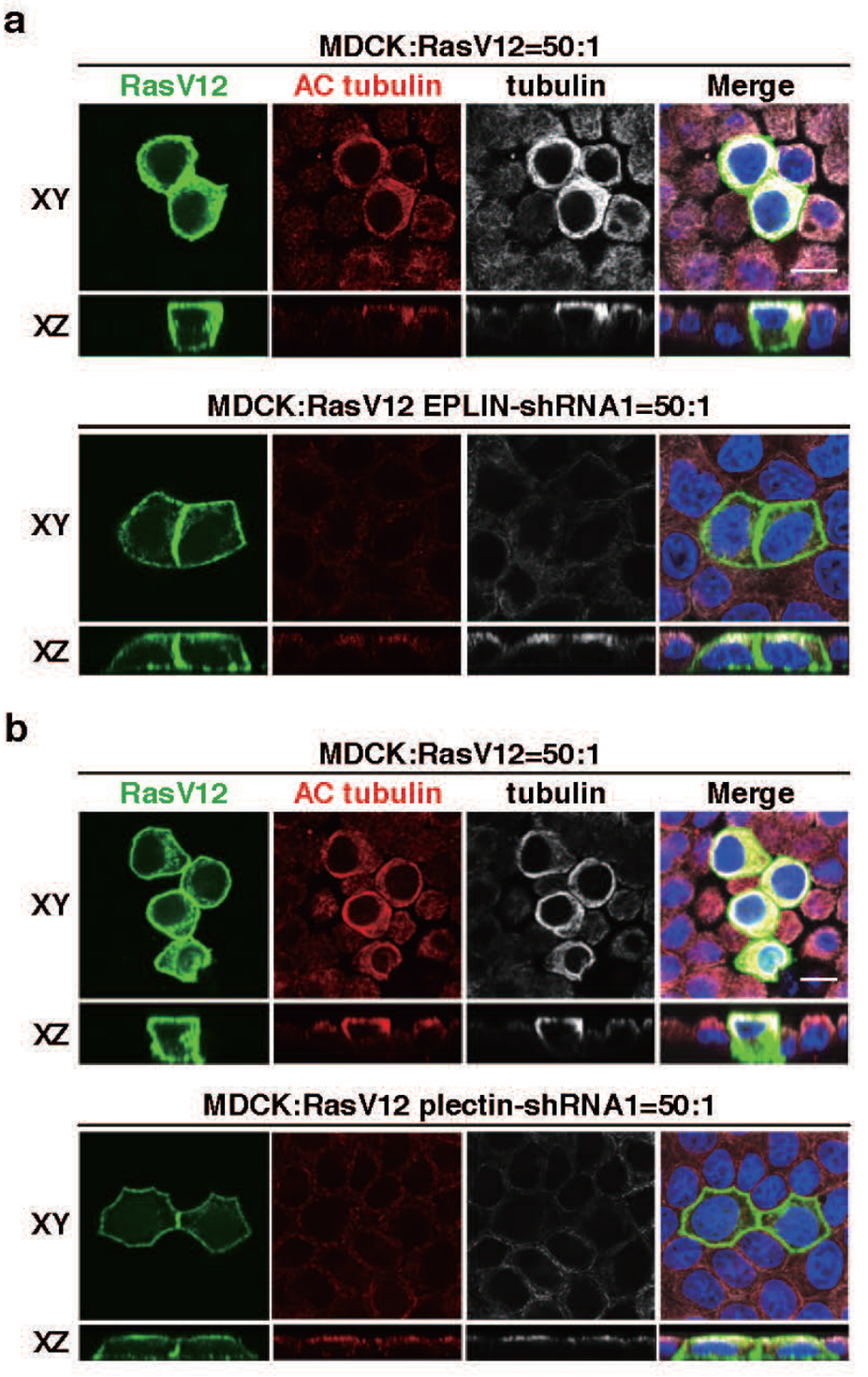


Figure S2. EPLIN and plectin regulate accumulation of acetylated α-tubulin in RasV12-transformed cells surrounded by normal epithelial cells. (**a**,**b**) Effect of EPLIN-knockdown (**a**) or plectin-knockdown (**b**) on accumulation of acetylated tubulin. MDCK-pTR GFP-RasV12 cells, MDCK-pTR GFP-RasV12 EPLIN-shRNA1 cells or MDCK-pTR GFP-RasV12 plectin-shRNA1 cells were mixed with normal MDCK cells on collagen gels. Cells were fixed after 16 h incubation with tetracycline and stained with anti-acetylated α-tubulin (red) and anti-α-tubulin (grey) antibodies and Hoechst (blue). Scale bars, 10 μm.

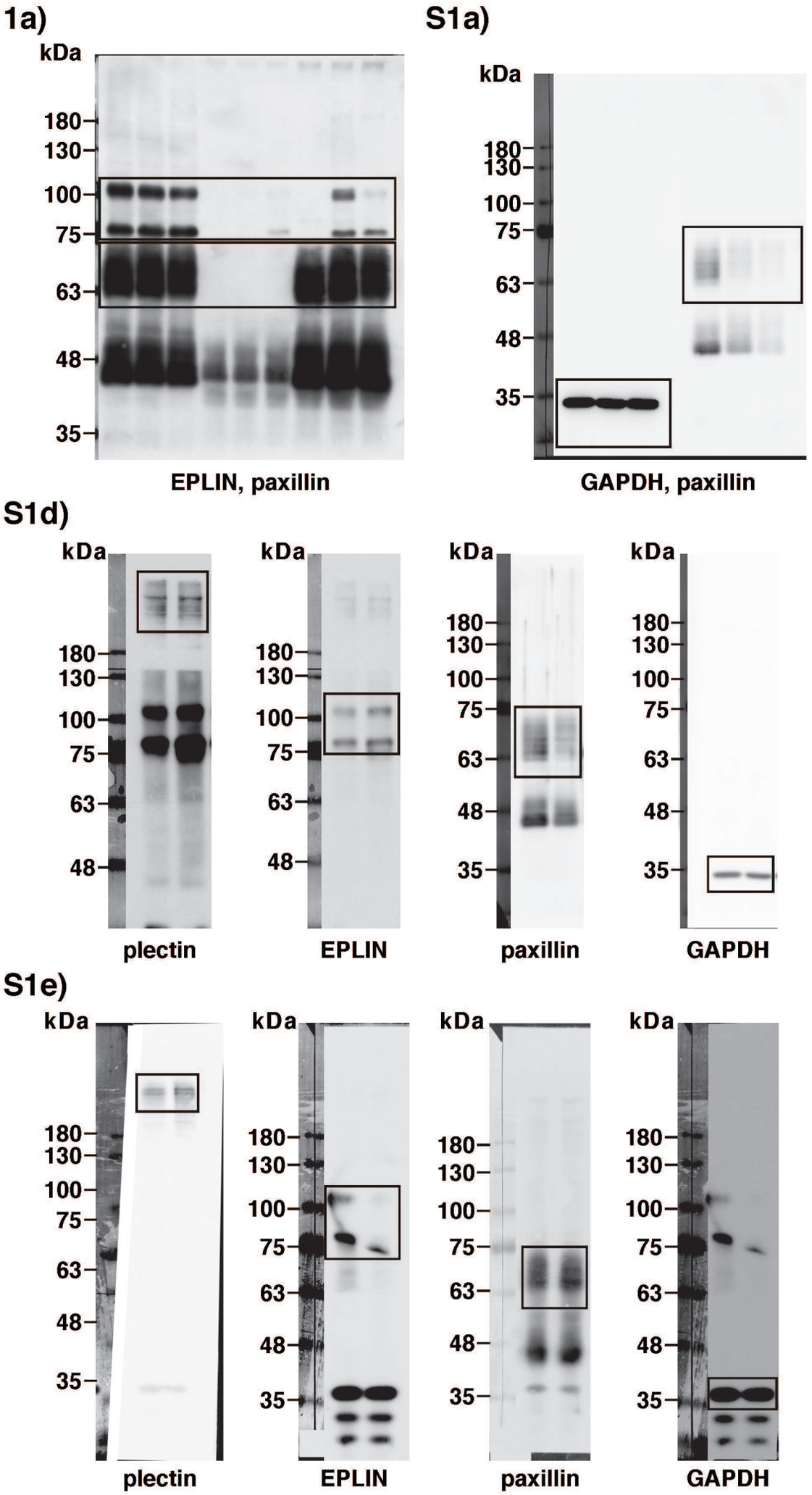


Figure S3. Full-length gels and blots.