Supplemental figure legends

Figure S1

aPKC ζ affected the acto-NMIIB cytoskeleton. aPKC ζ -/- and control cells were seeded on cover slips (i.e., dispersed cells) (A) or subjected to wound scratch assay (B), and stained for F-actin, using Rhodamine-Phalloidin, and for NMIIB, using C-terminal specific antibody conjugated to Cy2. Bars are 20 μ m.

Figure S2

aPKC ζ is required for proper focal adhesion. aPKC ζ -/- and control cells were subjected to wound scratch assay and immunostained with anti-pY118-paxillin. Bars are 20 μ m.

Figure S3

aPKC ζ -/- affects cell polarity of migrating cells. aPKC ζ -/- and control cell lines were stimulated by scratching a cell monolayer with a pipette tip. Migration was analyzed by time-lapse confocal microscopy. Images were taken 7h after the scratch. Bars are $10\mu m$.

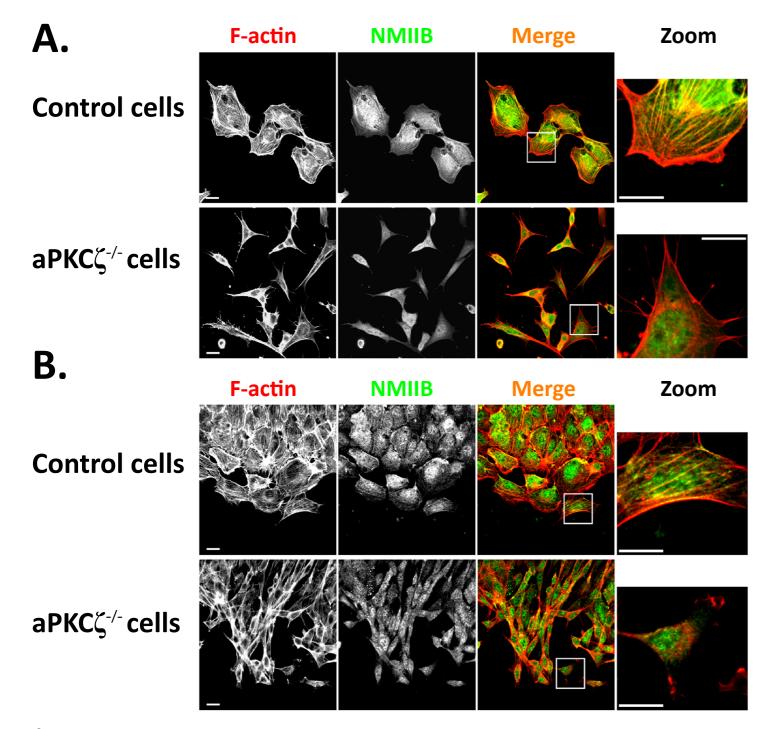


Fig. S1

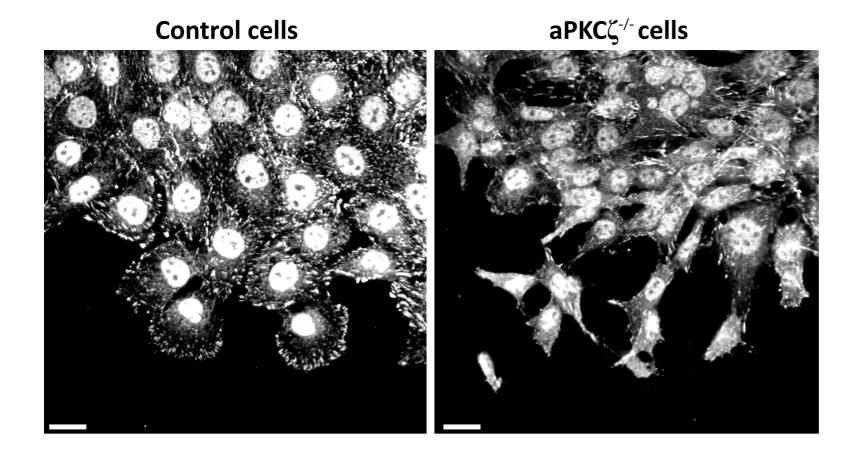


Fig. S2

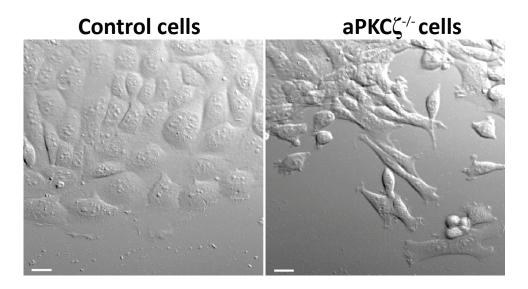


Fig. S3