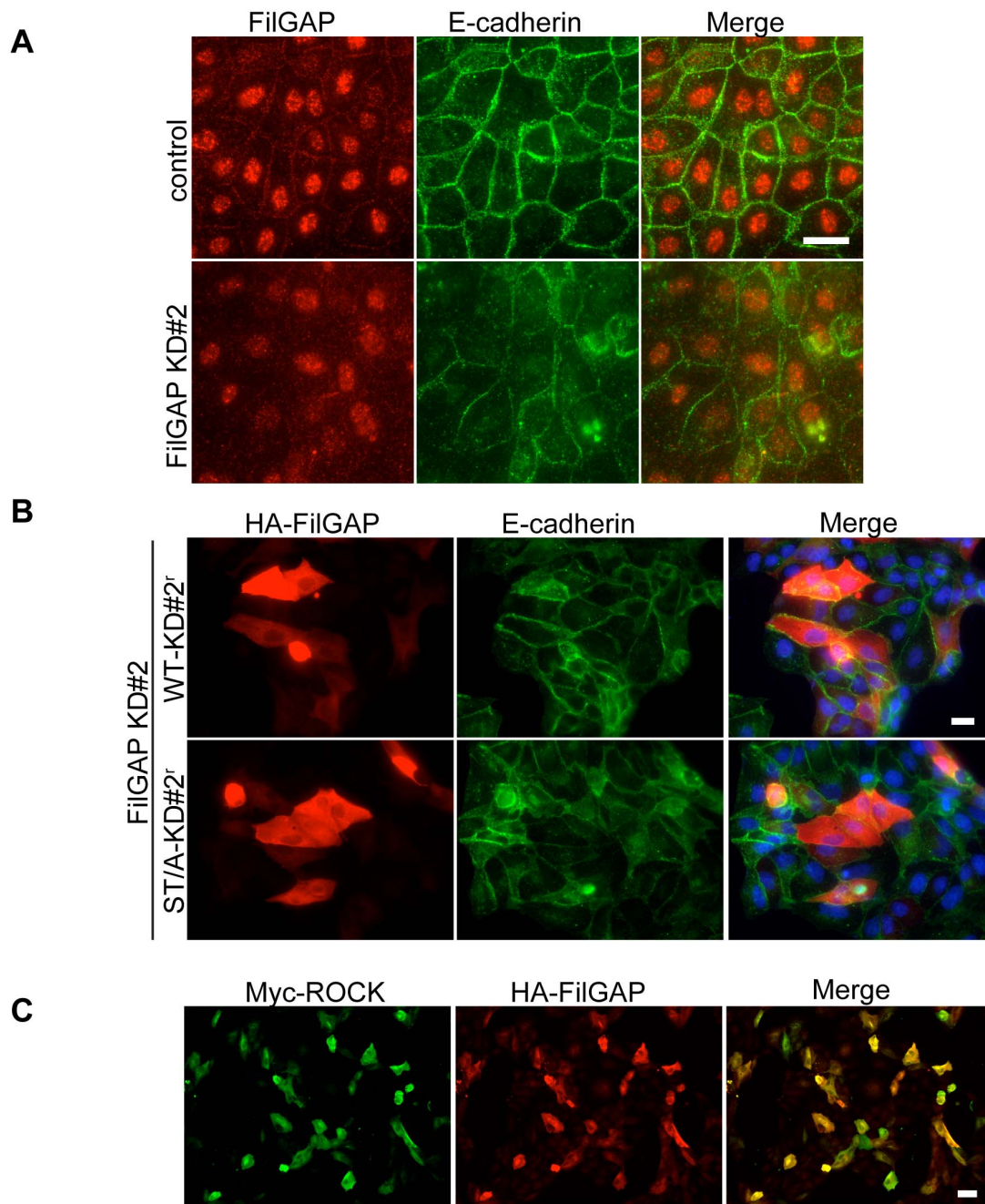


## Supplementary Figure

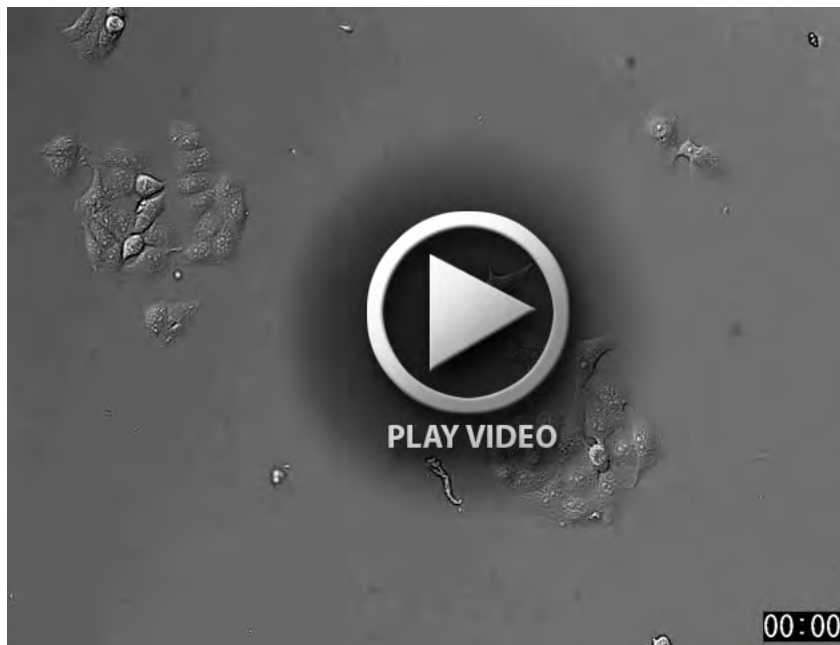
**Fig. S1 Localization of endogenous FilGAP in MDCK II cells.** (A) MDCK II cells were transfected with control or *FilGAP* siRNA for 72 hr. Then the cells were permeabilized by 0.5 % TritonX-100 before fixation. Permeabilized cells were fixed and stained with anti-FilGAP (red) or anti-E-cadherin (green) antibodies. Merged fluorescent images are shown. Scale bar, 20  $\mu$ m. (B) MDCK II cells were transfected with FilGAP siRNA for 1 d. Then, the cells were transfected with RNAi resistant FilGAP(WT-KD#2<sup>r</sup> or ST/A-KD#2<sup>r</sup>). After 24 hr, the cells were fixed and stained with anti-E-cadherin antibody for E-cadherin (green) and anti-Myc antibody for Myc-ROCK (red). Cells were also labeled with hoechst 33258 for nuclei. Merged fluorescent images were shown. Scale bar, 20  $\mu$ m. (C) MDCK II cells were transfected with Myc-ROCK and HA-FilGAP (WT-KD#2<sup>r</sup>). After 24 hr, the cells were fixed and stained with anti-Myc antibody for Myc-ROCK (green) and anti-HA antibody for HA-FilGAP. Merged fluorescent images were shown. Most of cells express both Myc-ROCK and HA-FilGAP (>95%). Scale bar, 50  $\mu$ m.

Fig. S1





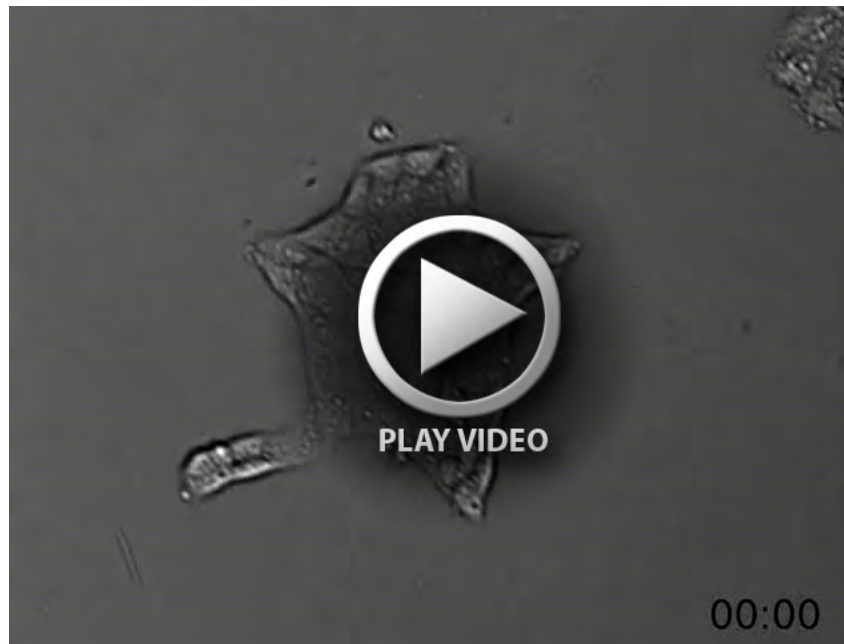
**Movie 1.** HGF-induced cell scattering (control MDCK II cells)



**Movie 2.** HGF-induced cell scattering (FilGAP-depleted MDCK II cells)



**Movie 3.** HGF-induced cell scattering (Rac1-depleted MDCK II cells)



**Movie 4.** HGF-induced cell scattering (FilGAP- and Rac1-depleted MDCK II cells)