

Supplementary Video 1

Movie of an NRK cell expressing PH-GFP and TSPAN4-mCherry. Images were collected by SIM at 1 frame/5 min. Scale bar, 10 μm .

Supplementary Video 2

Movie of an NRK cell expressing PIP5K1A-GFP and TSPAN4-mCherry. Images were collected by SIM at 1 frame/8 min. Scale bar, 10 μm .

Supplementary Video 3

Movie showing the migration of WT NRK-TSPAN4-mCherry cells. Images were collected with a confocal microscope at 1 frame/6 min. Scale bar, 20 μm .

Supplementary Video 4

Movie showing the migration of PIP5K1A-KO NRK-TSPAN4-mCherry cells. Images were collected with a confocal microscope at 1 frame/6 min. Scale bar, 20 μm .

Supplementary Video 5

Movie of an NRK cell expressing TSPAN4-GFP and mCherry-Rab35. Images were collected by SIM at 1 frame/5 min. Scale bar, 10 μm .