Supplemental material

Shigetomi et al., https://doi.org/10.1083/jcb.201711042

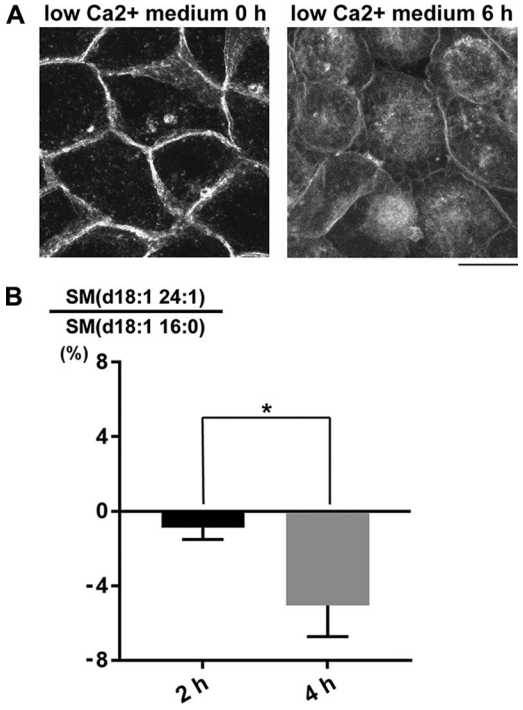
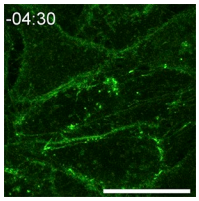


Figure S1. **The changes of PM composition induced by the treatment with low-Ca^{2+} medium. (A)** Confluent WT EpH4 cells were cultured in low-Ca^{2+} medium for 0 h (left) or 6 h (right). After fixation with 4% paraformaldehyde, cells were stained with 50 µg/ml filipin prepared in PBS. Bar, 20 µm. **(B)** The ratio of very-long-chain SM (d18:1–24:1) to SM (d18:1–16:0) was quantified at 2 or 4 h after treatment with low-Ca^{2+} medium. The SD was calculated based on three independent experiments (Student's *t* test, *, $P < 0.05$).



Video 1. **Time-lapse imaging of α-catenin–KO EpH4 cells expressing GFP–claudin-3.** At time 0, 75 mM cholesterol-saturated MβCD was added to the medium to restore the level of cholesterol in the PM. Frames were taken every 30 s. Bar, 20 µm.