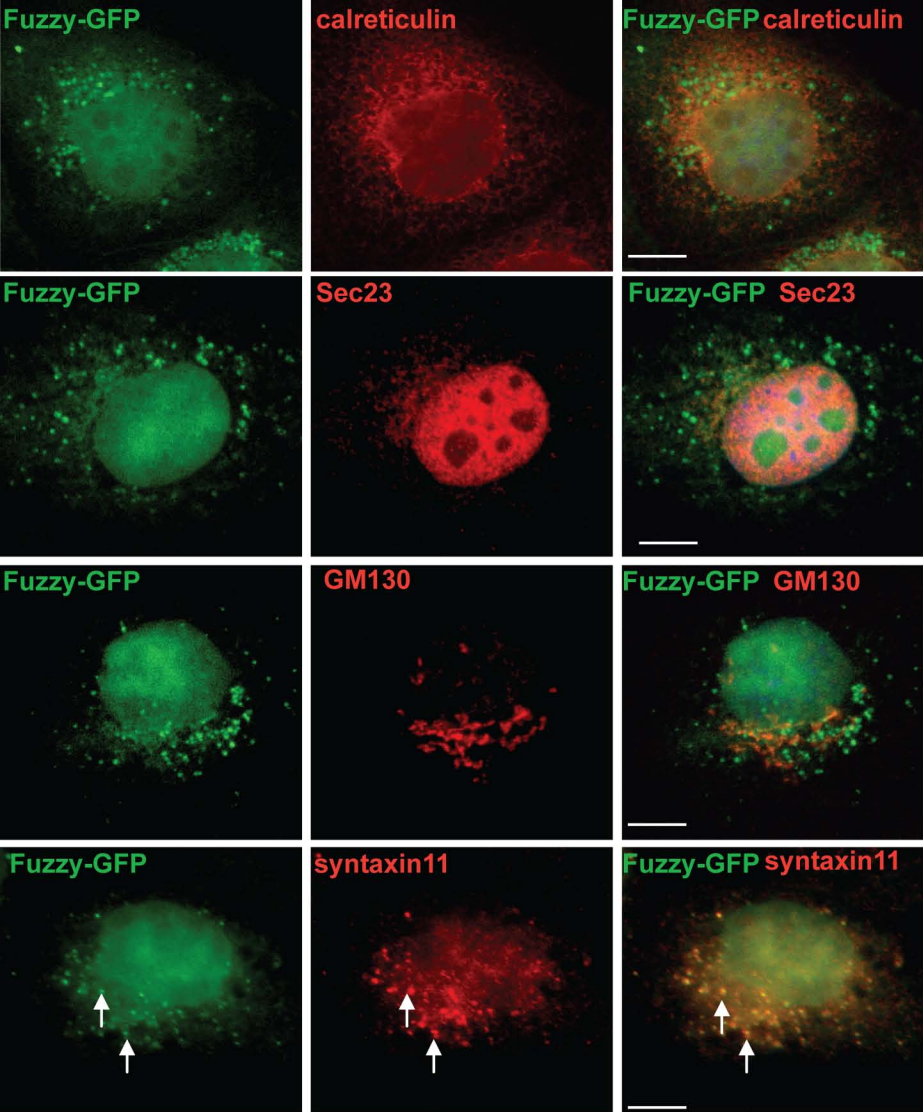


Supplementary Figure 1. Characterization of Fuzzy^{GFP} protein subcellular localization. Non-confluent unciliated MDCK cells stably expressing Fuzzy^{GFP} cDNA form GFP+ intracellular vesicles (green). Cells were stained with the antibodies against calreticulin (red, ER compartment), Sec23 (red, ER-Golgi compartment), GM130 (cis-Golgi compartment) and syntaxin 11 (trans-Golgi/late endosomal compartment); Fuzzy^{GFP} is co-localized with syntaxin 11 (arrows), bar-5 μ m.

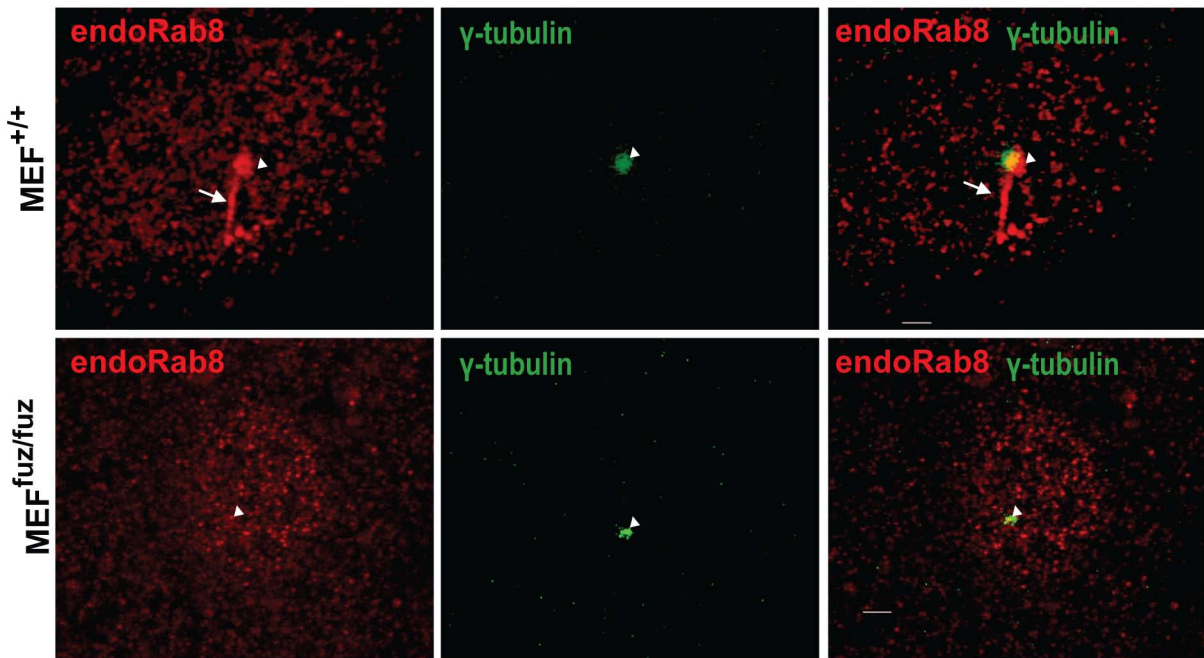
Supplementary Figure 2. Loss of Fuzzy results in loss of Rab8 at the basal body. *Upper panels:* In serum-starved MEFs^{+/+}, endogenous Rab8 (red, detected with anti-Rab8 antibody) is localized to the basal body (green, visualized with anti- γ -tubulin antibody, arrowhead) and cilium (red, arrow). *Lower panels:* In MEFs^{Fuz/Fuz}, Rab8 (red, arrowhead) is not enriched at the basal body (green, arrowhead); bar -1 μ m.

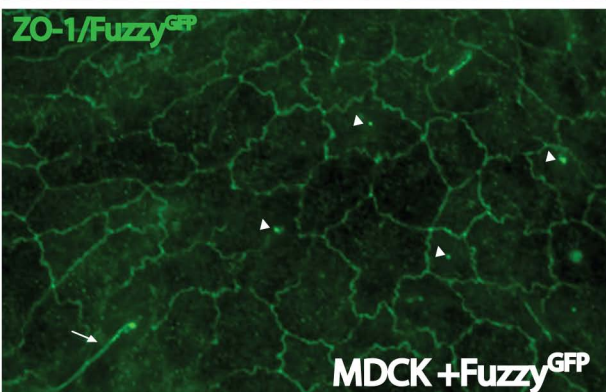
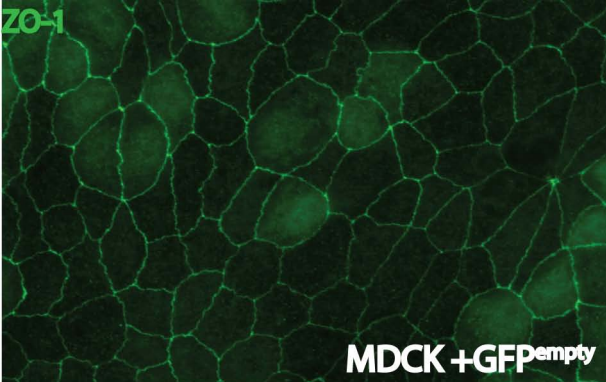
Supplementary Figure 3. Monolayers of MDCK cells stably expressing either GFP or Fuzzy-GFP protein. *Upper image:* MDCK clone stably transfected with pEGFP expression vector. Cell boundaries are demarcated by staining with ZO-1 antibody (green). *Lower image:* MDCK cells stably transfected with Fuzzy-GFP expression vector. Cell boundaries are demarcated with anti-ZO-1 antibody (green). Fuzzy-GFP protein (green) can be seen in the basal bodies (arrowheads) or primary cilium (arrow).

Supplementary Figure 4. Effect of Brefeldin A on subcellular Fuzzy co-localization. *Upper panels:* Cherry-tagged Fuzzy (Fuzzy^{Cherry}, red) co-localizes with the GFP-tagged TGN38 (TGN38^{GFP}, green) marker of trans-Golgi network (arrows) in MDCK cells transiently co-transfected with both cDNAs. *Lower panels:* Transfected MDCK cells treated with BrefeldinA: Fuzzy^{Cherry}, red; TGN38^{GFP}, green. Fuzzy loses its vesicular appearance and both proteins are diffusely spread throughout the cell. Bars -10 μ m.

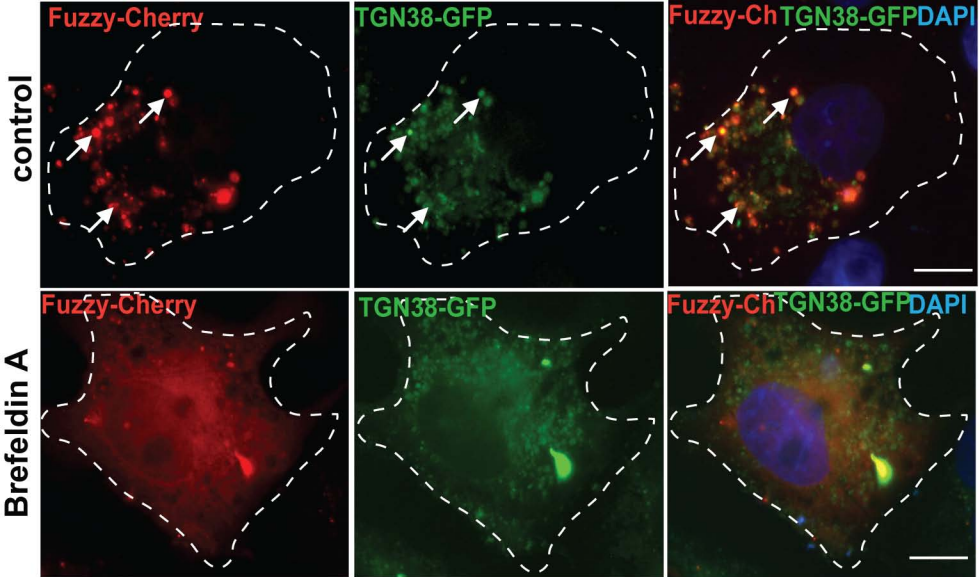


Supplementary Figure 1





Supplementary Figure 3



Supplementary Figure 4