

Figure S1. Example images corresponding to Figure 2, Colocalization of ATP7B with TGN46 or LAMP1 in cells with reduced COMMD1 expression. False-colored channels are indicated, Magenta-green overlap is white.

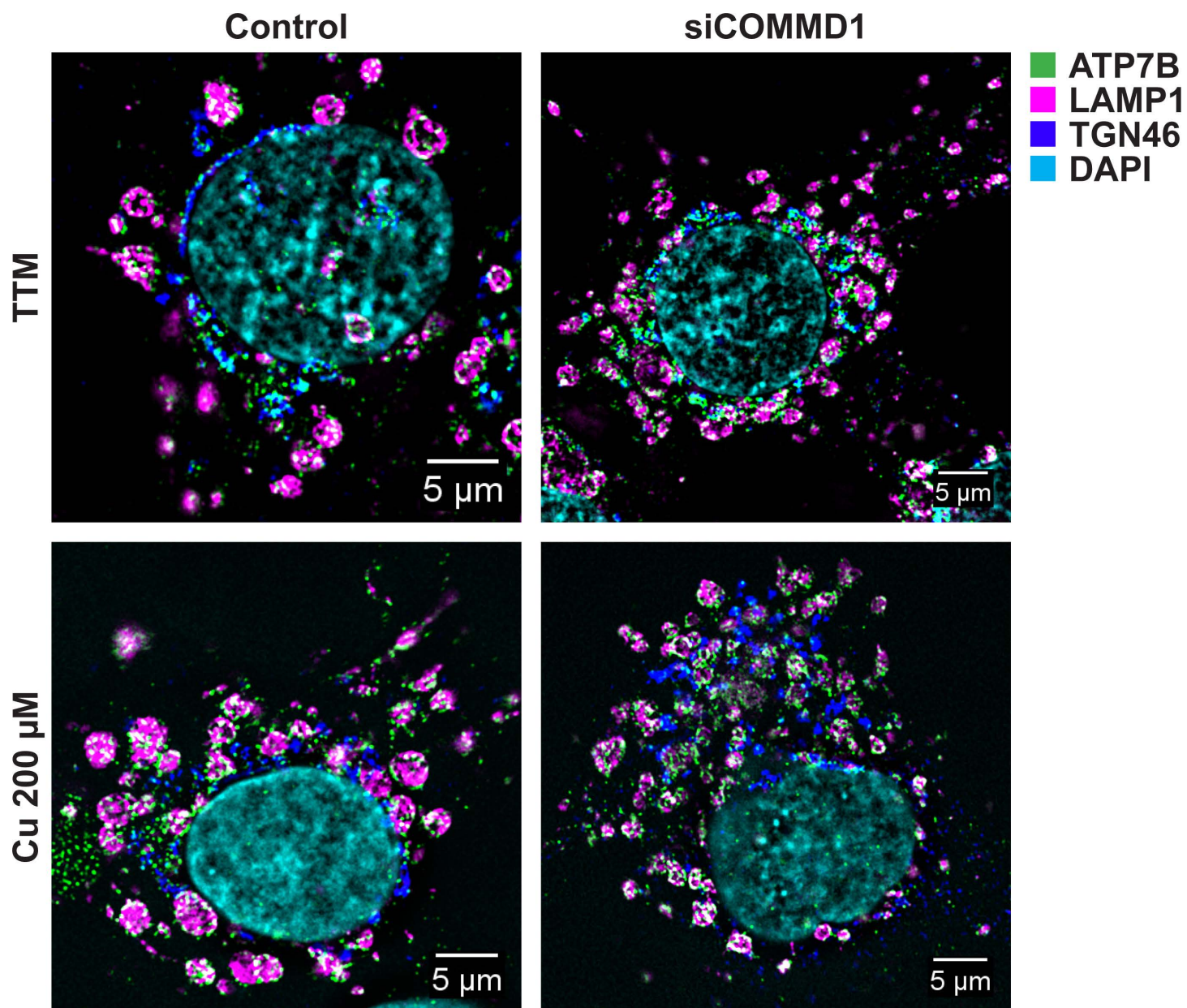


Figure S2. Example images corresponding to Figure 3. Colocalization of ATP7B with TGN46 or LAMP1 in cells with reduced COMMD1 expression as well as proteasome and lysosome inhibition. False-colored channels are indicated, Magenta-green overlap is white.

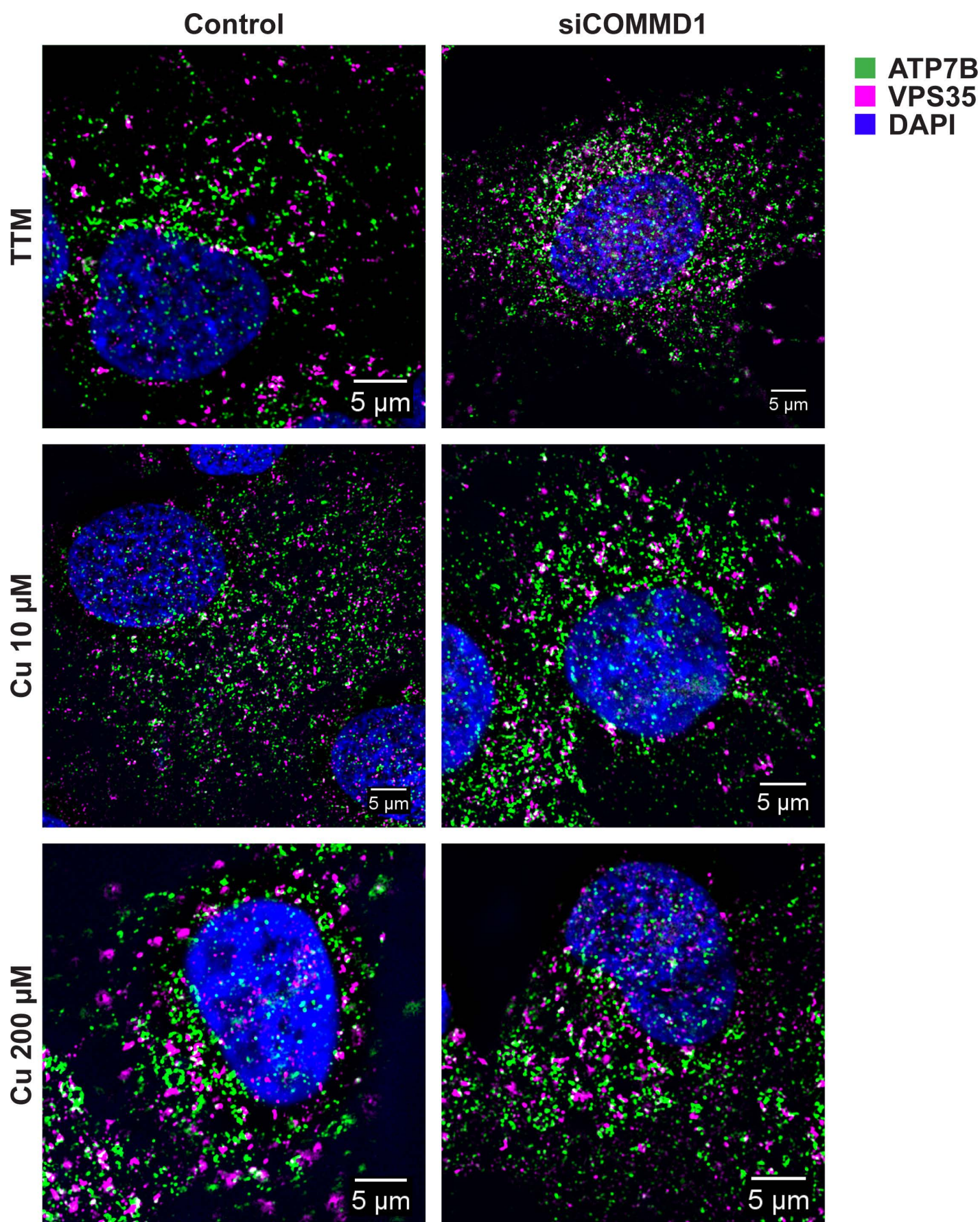


Figure S3. Example images corresponding to Figure 2, Colocalization of ATP7B with the retromer subunit VPS35. False-colored channels are indicated, Magenta-green overlap is white.

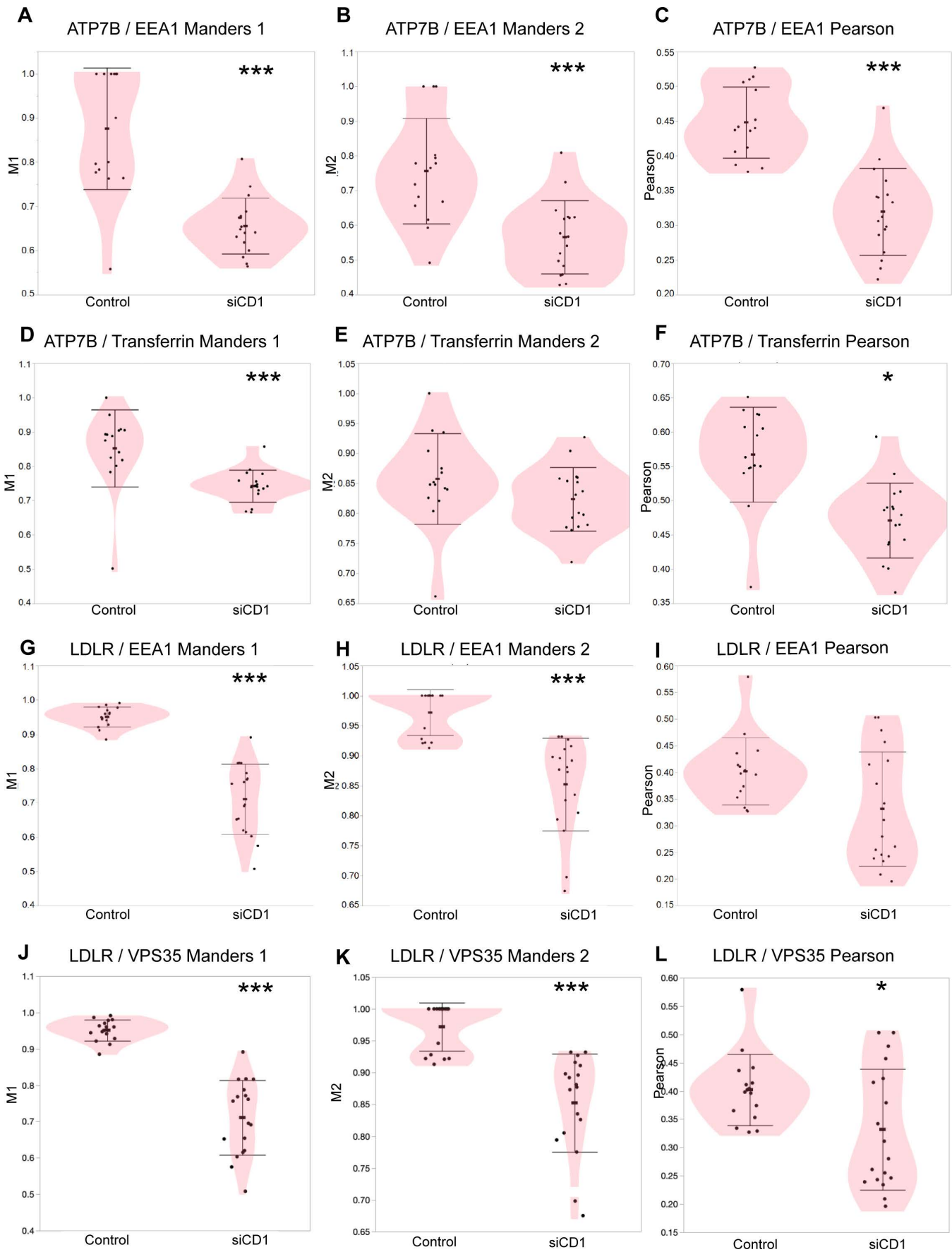
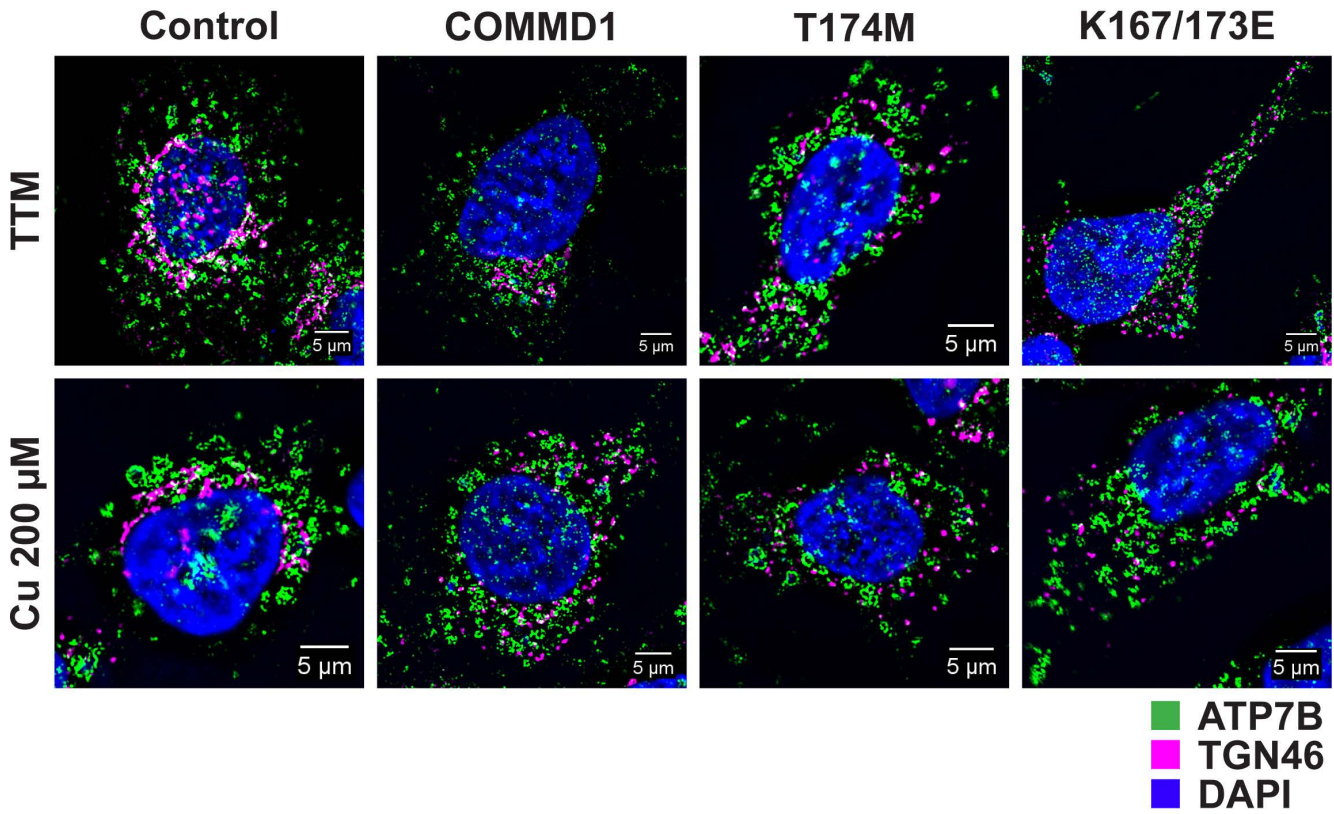


Figure S4. Colocalization of ATP7B (A-F) and LDLR (G-L) with indicated endosomal markers when COMMD1 expression is reduced. "***" indicates a p-value < 0.05, "****" indicates p-value < 0.001.

ATP7B and *trans*-Golgi



ATP7B and Lysosomes

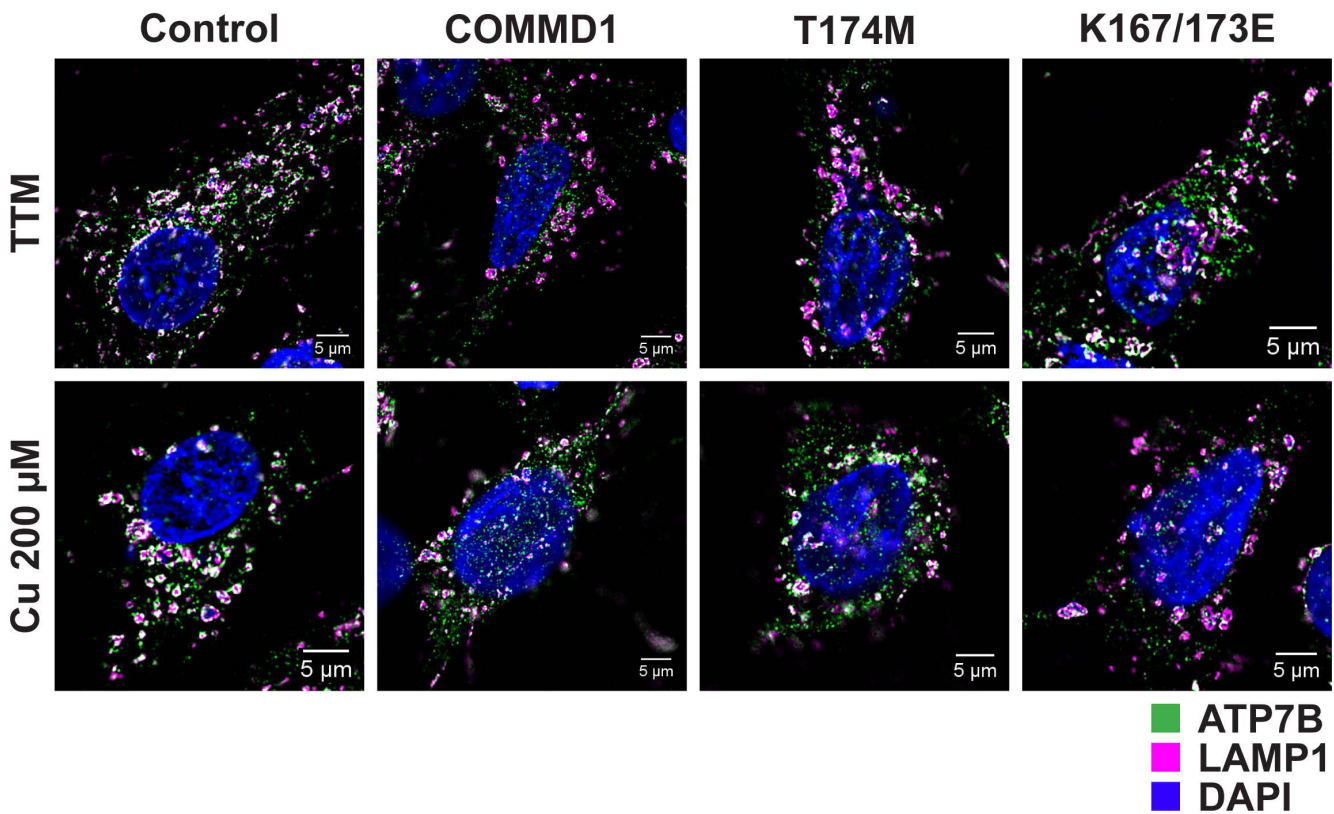
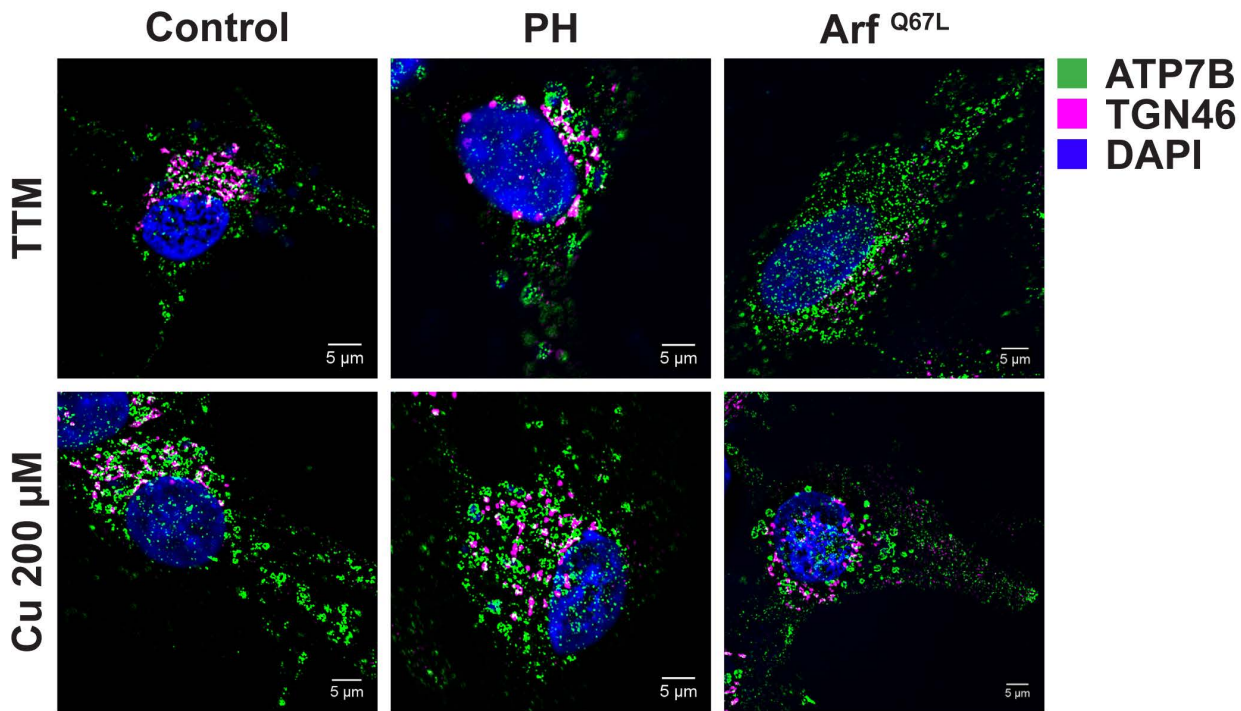


Figure S5. Example images for Figure 5 data. Colocalization of ATP7B with TGN46 (top) and LAMP1 (botto) markers when COMMD1 wild type and indicated mutants are overexpressed.

ATP7B and *trans*-Golgi



ATP7B and Lysosomes

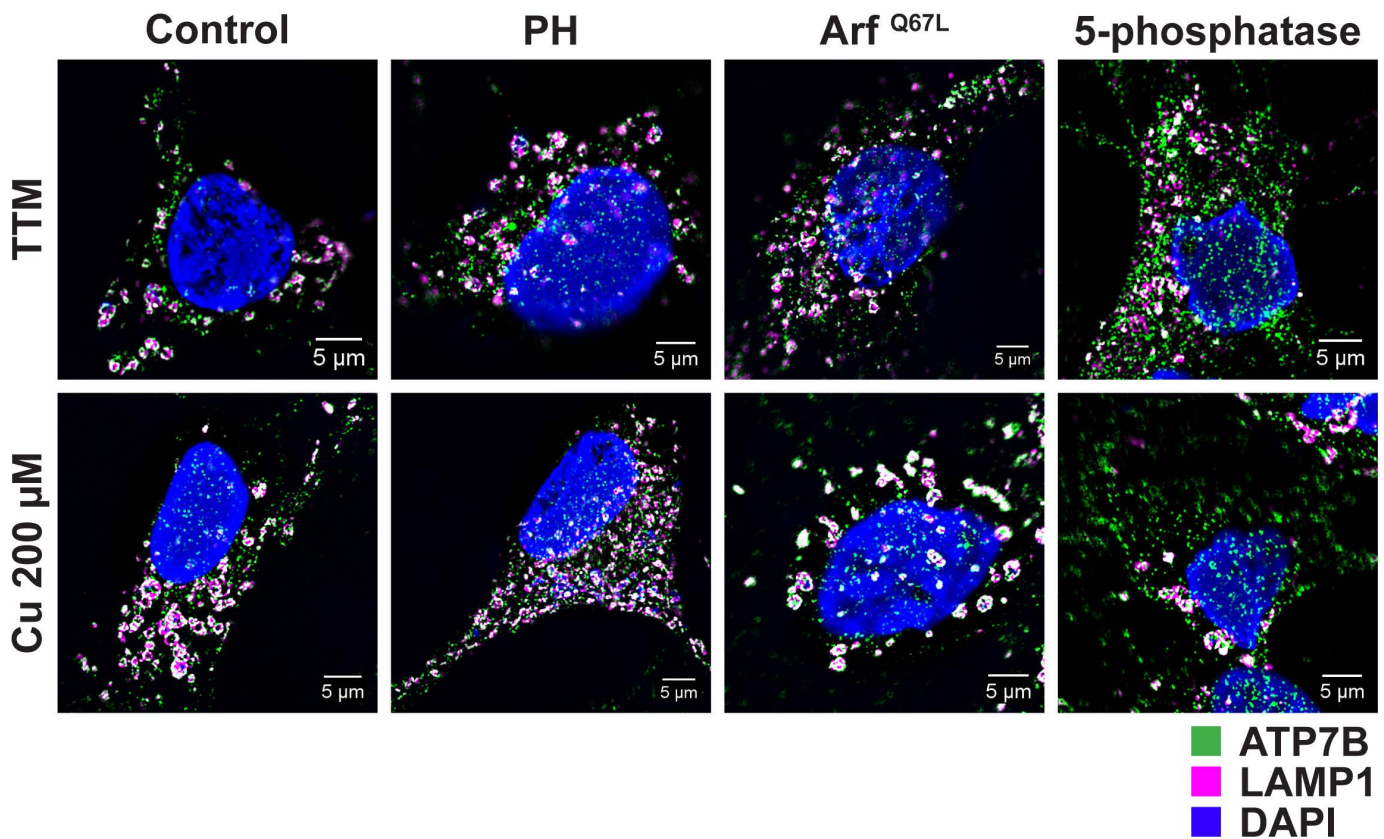


Figure S6. Example images for Figure 8 data. Colocalization of ATP7B with TGN46 (top) and LAMP1 (bottom) markers when PtdIns(4,5)P₂-modifiers are overexpressed.

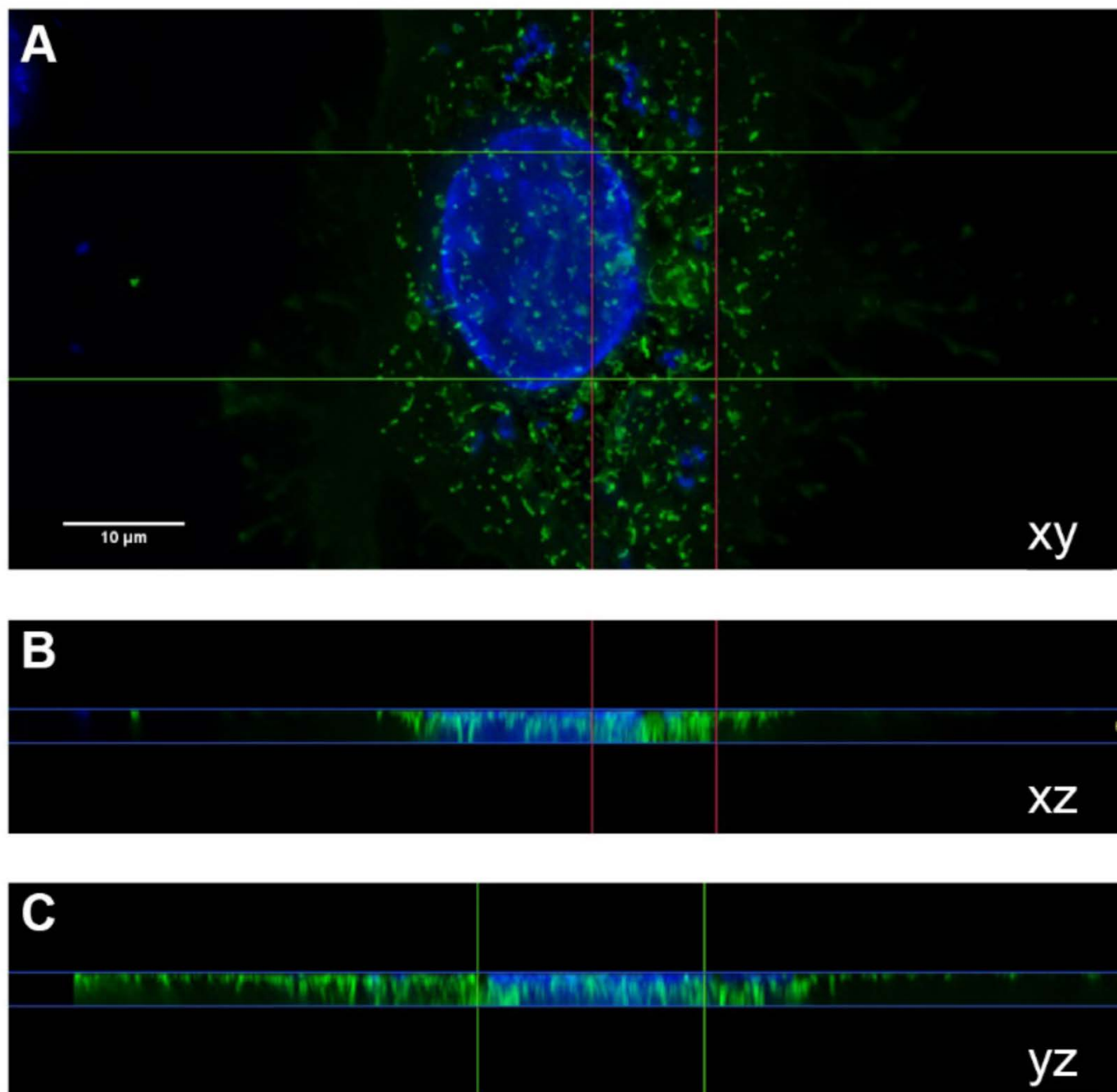


Figure S7. Intracellular localization of Pleckstrin homology domain in HepG2 cells. Cells were transfected with vectors containing GFP tagged Pleckstrin homology domain (PH-GFP) then imaged in 12-14 image stacks. Image stacks were deconvolved then visualized and analyzed using Huygens Professional.

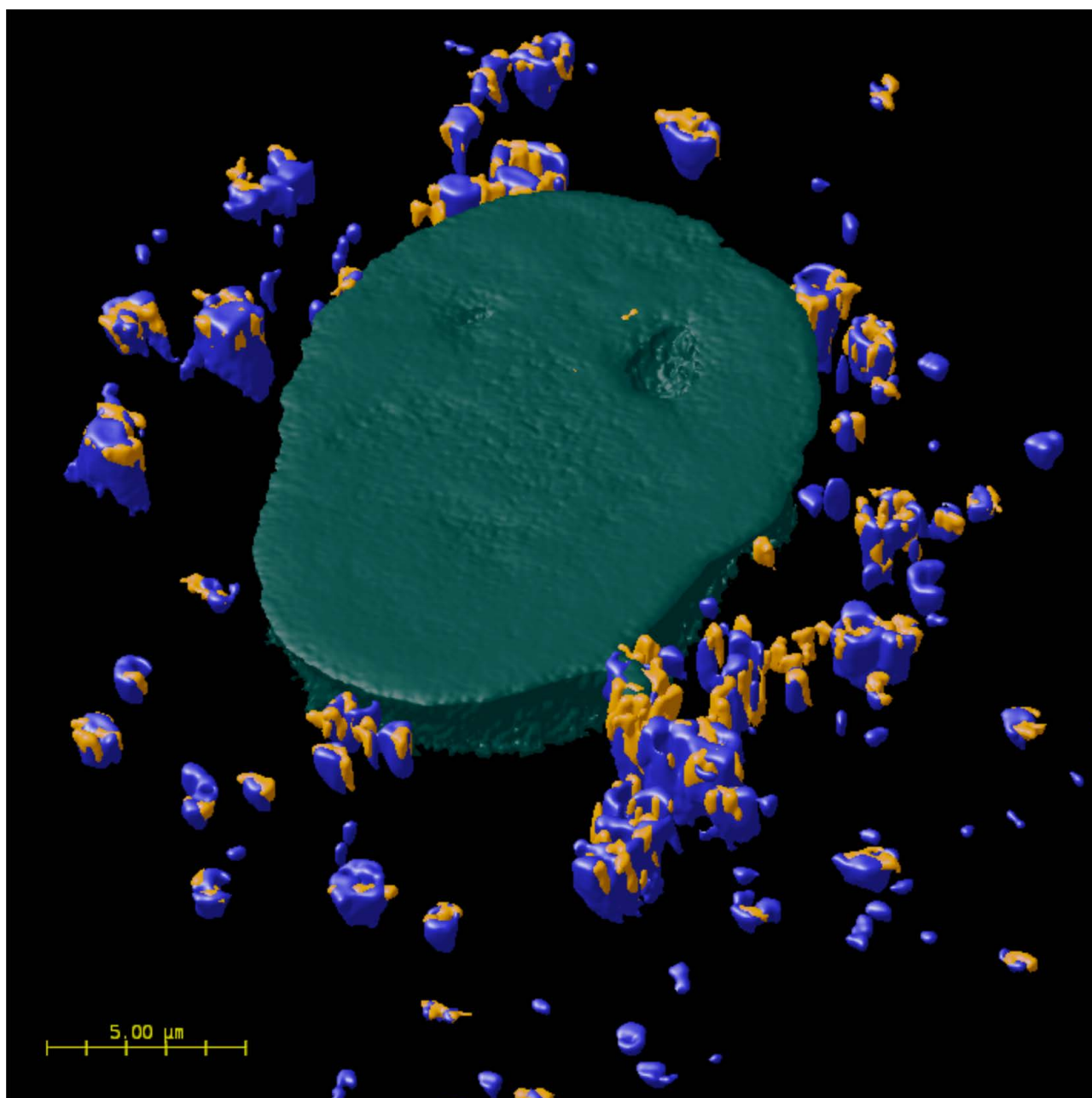


Figure S8. 3D surface render of ATP7B (yellow), LAMP1 (blue), and the nucleus (cyan). ATP7B is observed localized at the surface of lysosomes. HepG2 cells were imaged in stacks of 12-14 image slices with z-steps of 0.198 μ m. Image stacks were deconvolved and a 3D surface render was created using Huygens Professional.