SUPPLEMENTAL FIGURES

Function of Inhibitor of Bruton's Tyrosine Kinase Isoform α (IBTKα) in Nonalcoholic Steatohepatitis Links Autophagy and the Unfolded Protein Response

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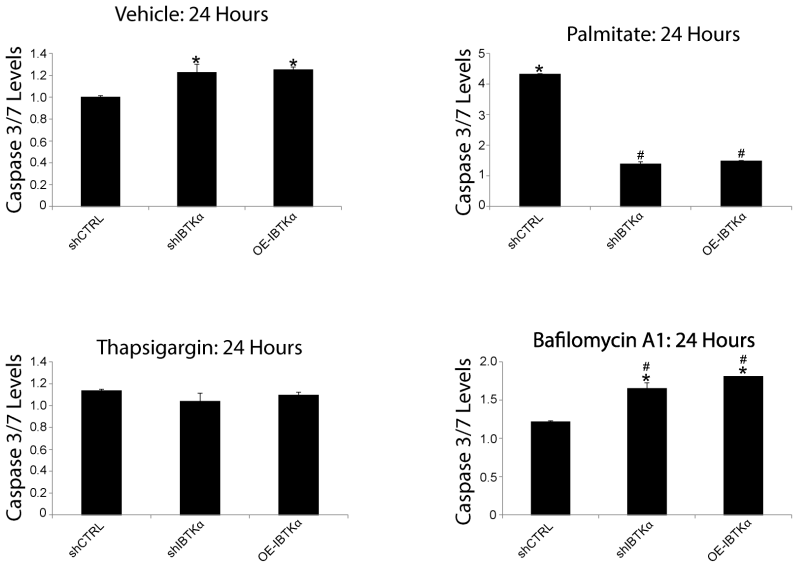
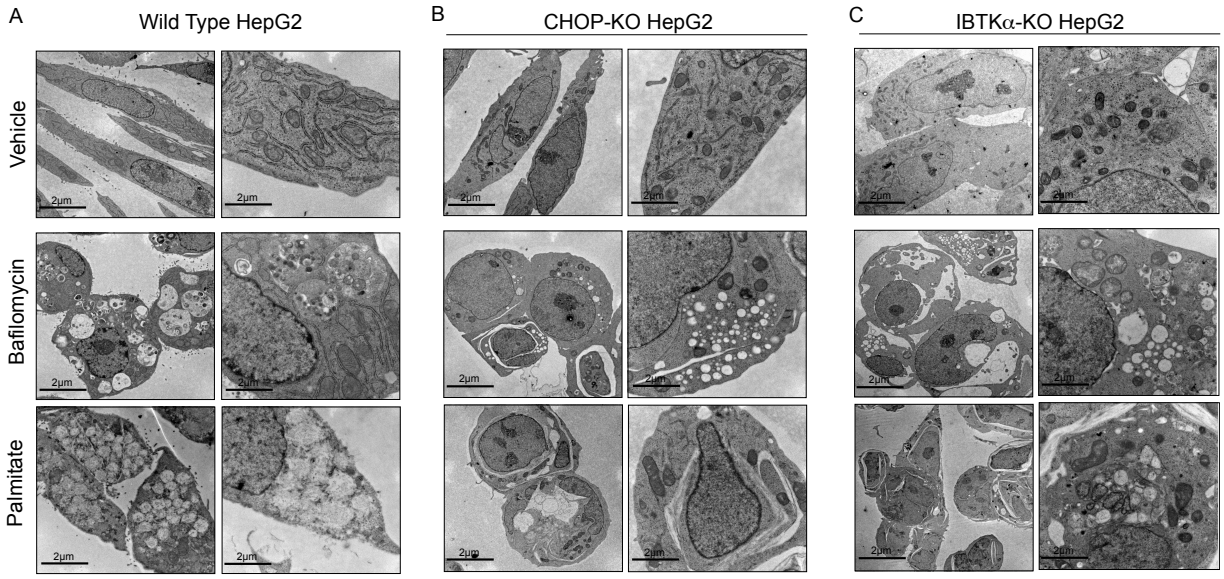


Supplemental Figure 1. Effects of changes in IBTKα expression on levels of caspase 3/7 in HepG2 cells. HepG2 cells expressing shIBTKα or control (shCTRL) or overexpressing a flagged tagged version of IBTKα (OE-IBTKα) were treated with palmitate, thapsigargin, bafilomycin A1, or vehicle for 24 hours. Lysates were prepared and caspase 3/7 activity was measured by the Apo-One biochemical assay.



Supplemental Figure 2. Electron microscopy showing ultrastructural features of WT (A), CHOP-KO (B), and IBTKα-KO (C) cells. This collection of HepG2-derived cells were treated with vehicle, bafilomycin A1, or palmitate for 12 hours.

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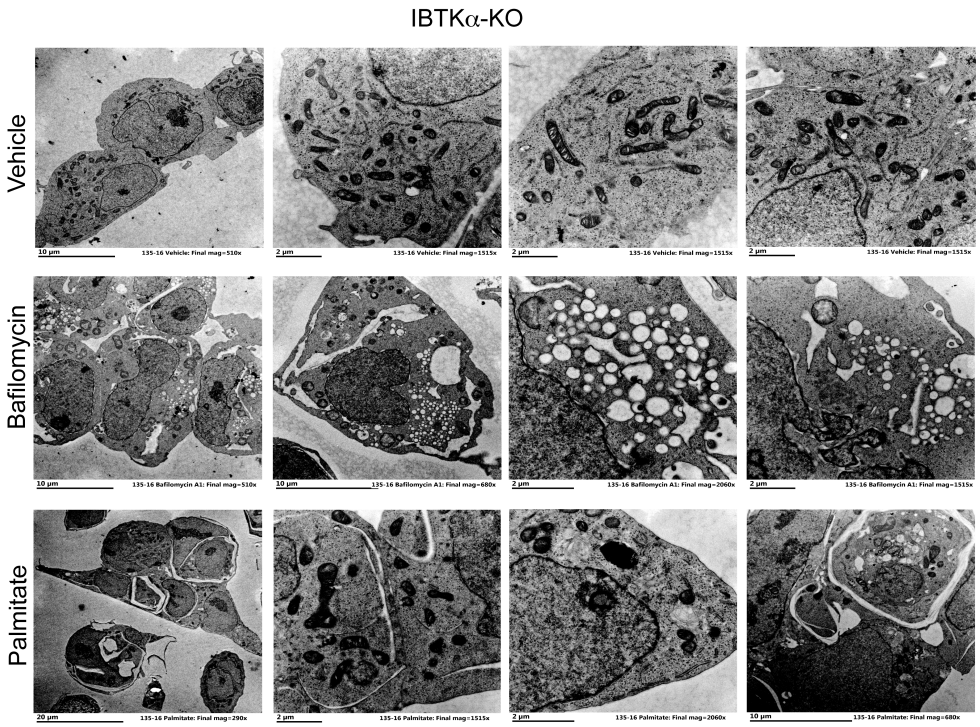
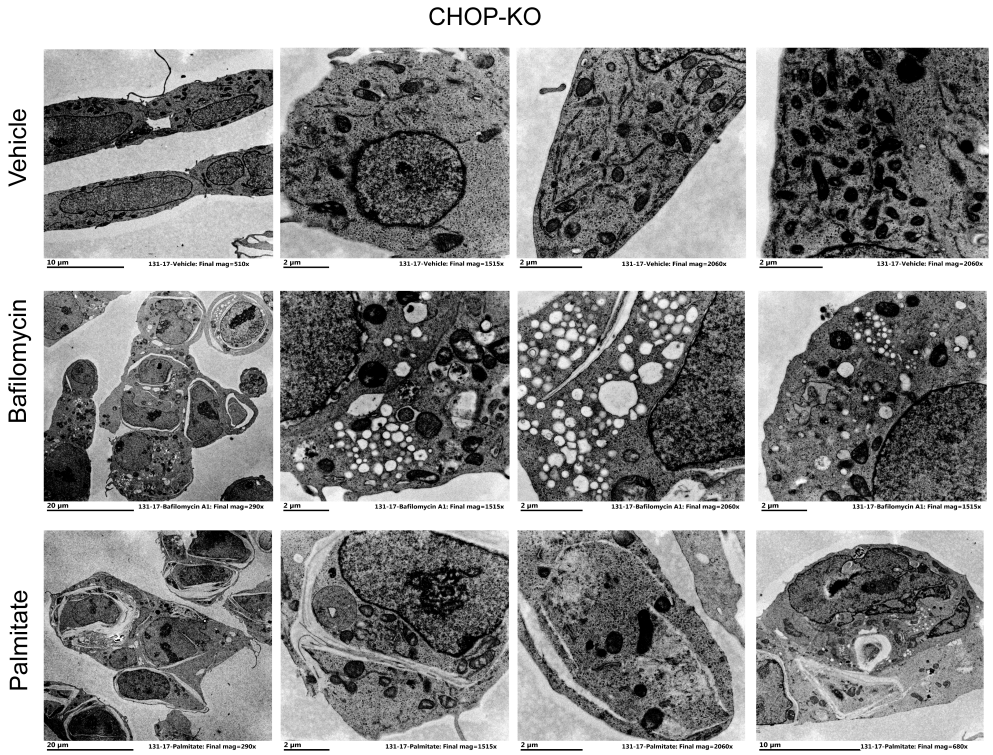


Supplemental Figure 3. Electron microscopy showing ultrastructural features of IBTKα-KO HepG2 cells treated with vehicle, bafilomycin A1, or palmitate for 12 hours.



Supplemental Figure 4. Electron microscopy showing ultrastructural features of CHOP-KO HepG2 cells treated with vehicle, bafilomycin A1, or palmitate for 12 hours.