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Supplementary material to:

Loss of KEAP1 Causes an Accumulation of Nondegradative Organelles

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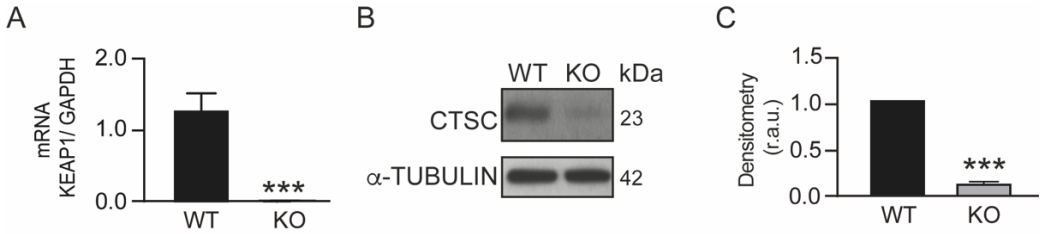

Figure S1. KEAP1-deficient cells show LAMP1-labeled vesicles with reduced CTSC protein levels. (**A**) *WT* and *Keap1*^{KO} MEFs RNA was extracted, and real-time quantitative PCR was performed for KEAP1 gene. GAPDH was used as an endogenous control of gene expression. The histogram shows the mean ± SD of at least three independent experiments. (**B**) Cell lysates from *WT* and *Keap1*^{KO} MEFs were analyzed by western blot using anti-CSTC antibody. α–tubulin was used as a loading control. (**C**) Densitometry was employed to quantify the abundance of CTSC. r.a.u means relative arbitrary units. All data are the mean ± of at least three independent experiments and they were compared by Student's t-test (***p< 0.001 versus *WT* cells).

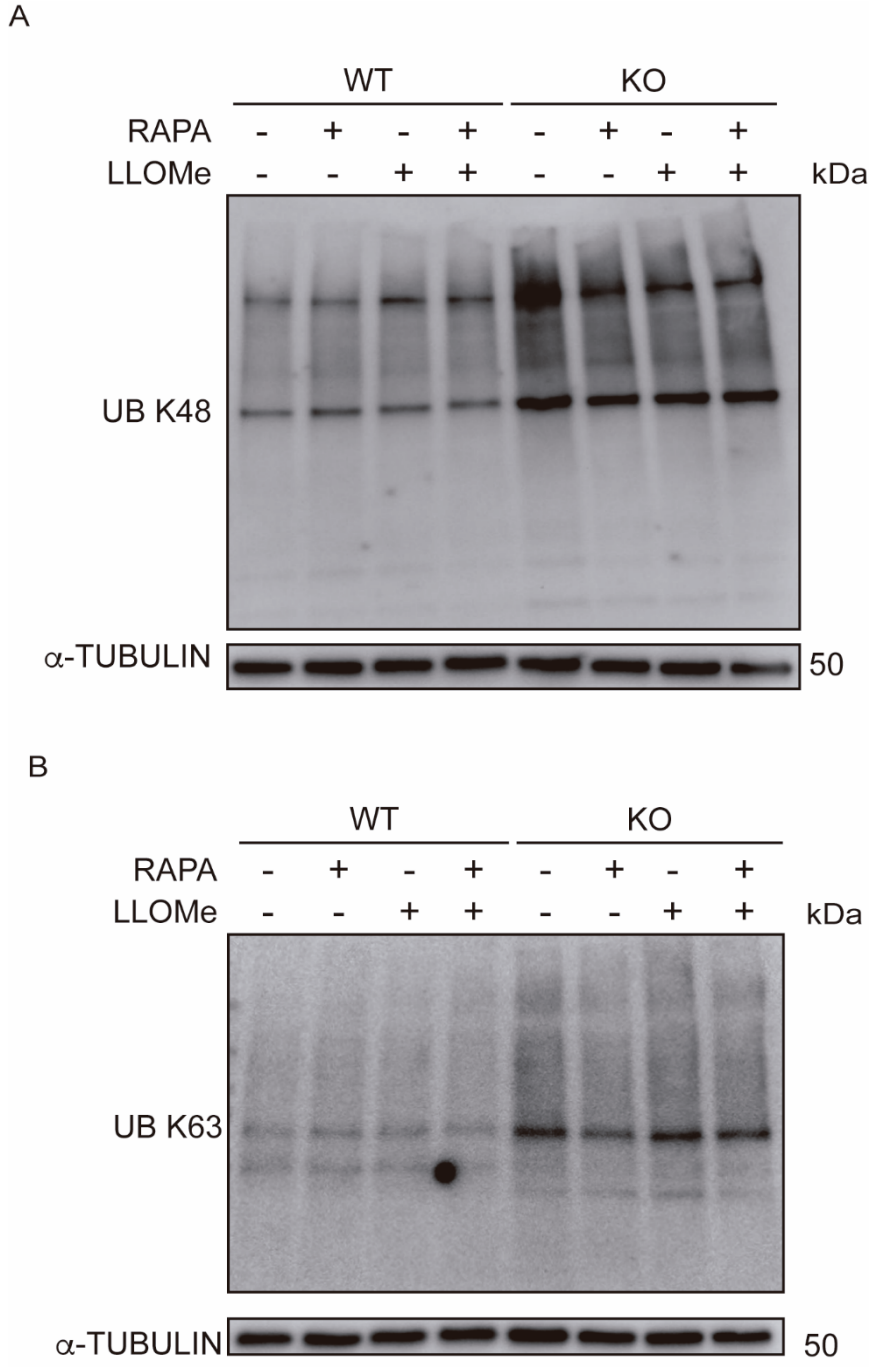

Figure S2. KEAP1 deficiency induces ubiquitinated protein accumulation. (**A**,**B**) WT and Keap1^{KO} MEFs were cultured in control conditions, incubated with 1mM LLOMe or treated with 1 mM rapamycin (RAPA) alone or in combination with 1 mM LLOMe. UB K63 and UB K48 were assessed by immunoblotting. α-tubulin was used as a loading control.