Erythroleukemia cells acquire an alternative mitophagy capability

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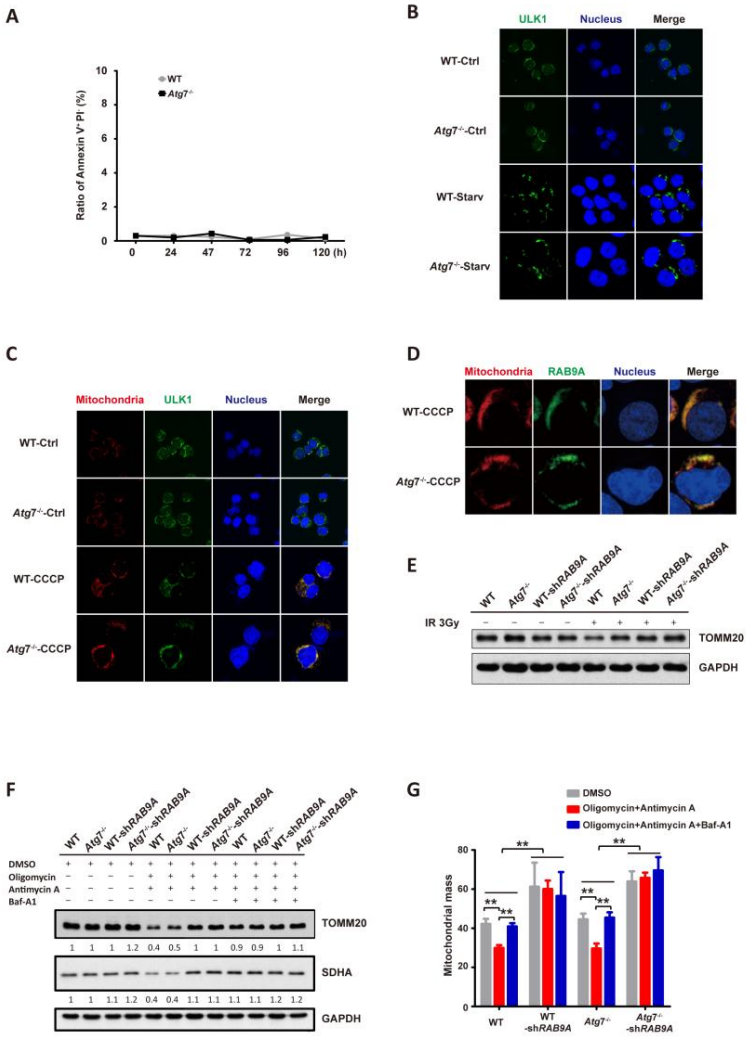

Supplemental Figure 1. Erythroleukemia cells acquire an alternative mitophagy capability. (**A**) Quantification analysis of the apoptosis level in wild-type and *Atg7*$^{-/-}$ K562 cells with indicated time. (**B**) The localization of ULK1 in K562 cells under normal and serum deprivation in wild-type and *Atg7*$^{-/-}$ K562 cells. The ULK1 was stained with Dylight 488 (green). (**C**) The colocalization of ULK1 and mitochondria in wild-type and *Atg7*$^{-/-}$ K562 cells treated with CCCP. The ULK1 was stained with Dylight 488 (green) and mitochondria was stained with Deep Red (red). (**D**) The colocalization of RAB9A and mitochondria in wild-type and *Atg7*$^{-/-}$ K562 cells treated with CCCP. RAB9A was stained with Dylight 488 (green) and mitochondria was stained with Deep Red (red). (**E**) Detection of the expression of TOMM20 by immunoblotting in wild-type and *Atg7*$^{-/-}$ K562 cells post 3Gy ionizing radiation. (**F**) Detection of the expression of SDHA and TOMM20 by immunoblotting in wild-type and *Atg7*$^{-/-}$ K562 cells with indicated drugs. The expression levels were quantified with number indicated. (**G**) Quantification analysis of mitochondrial mass in wild-type and *Atg7*$^{-/-}$ K652 cells when cultured with oligomycin (100ng/ml), antimycin A (50μM) and Baf-A1 (10nM).