Supplementary figure legends

Fig. S1

A. Isolation and extraction of whole cell lysate, mitochondria, and cytoplasm from liver macrophages. **B-C.** AML12 cells were treated with Etoposide (75 μ M) or equal volume of DMSO for 3 days to simulate as aged or young hepatocytes in vitro, respectively. The levels of P16 and P21 in AML12 cells with or without etoposide were measured by WB. **D.** The protocol of in vitro experiments for co-culture of AML12 cells and and RAW264.7 cells. RAW264.7 cells were co-cultured with the supernatant from normal or aged AML12 cells. **E.** Isolation and extraction of whole cell lysate, mitochondria, and cytoplasm from RAW264.7 cells. All data are shown as the mean \pm SD (n=6). ***P< 0.001, **P< 0.01 and *P< 0.05.

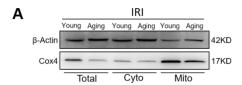
Fig. S2

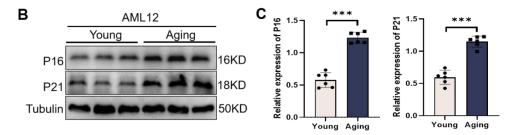
RAW264.7 cells were co-cultured with the supernatant from normal or aged AML12 cells in the absence or presence of BAPTA-AM (10 μM) for 24 h followed by treatment with H/R: Fluo4-am detects intracellular calcium levels. (n=6)

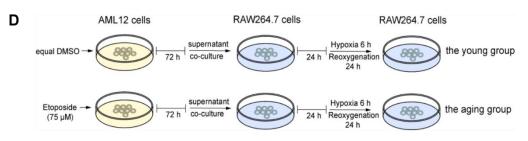
Fig. S3

RAW264.7 cells were infected with Lv-MCU-WT or Lv-MCU-K331R and cocultured with the supernatant from normal or aged AML12 cells for 24 h, followed by treatment with H/R: Co-IP assay was performed to determine MCU acetylation. (n=6)

Fig. S1







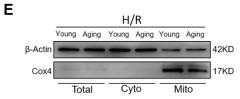


Fig. S2

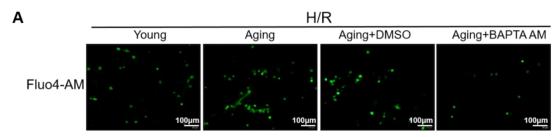


Fig. S3

