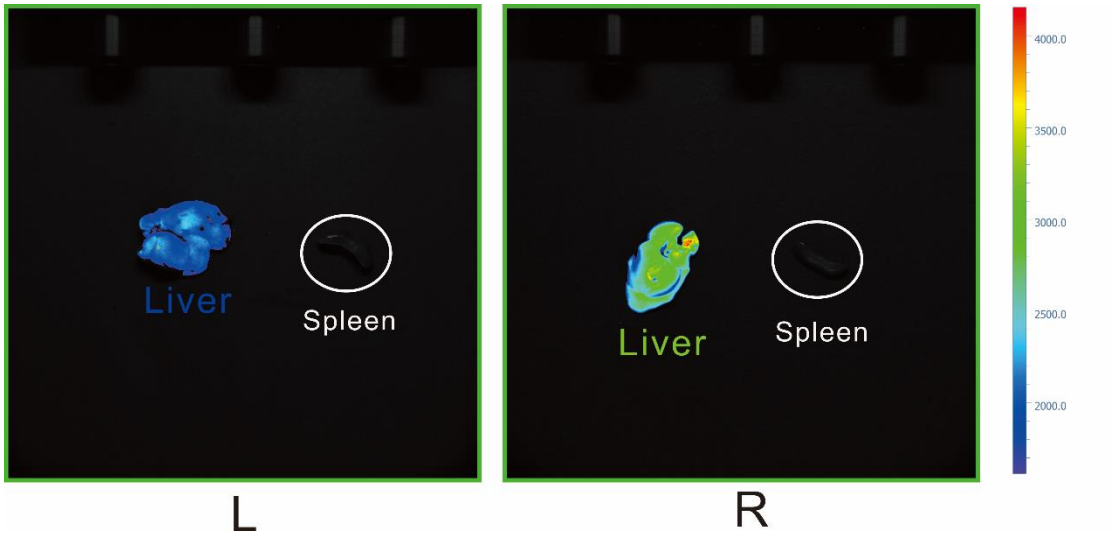

FIGURE S1. The cell-specific identification of AAV-transfected cells was detected by living fluorescence imaging. L: KCs were blocked by clodronate liposome treatment. R: KCs were preserved without clodronate liposome treatment. Due to the injection of AAV through the portal vein system, spleen tissue was selected as the main self-control.

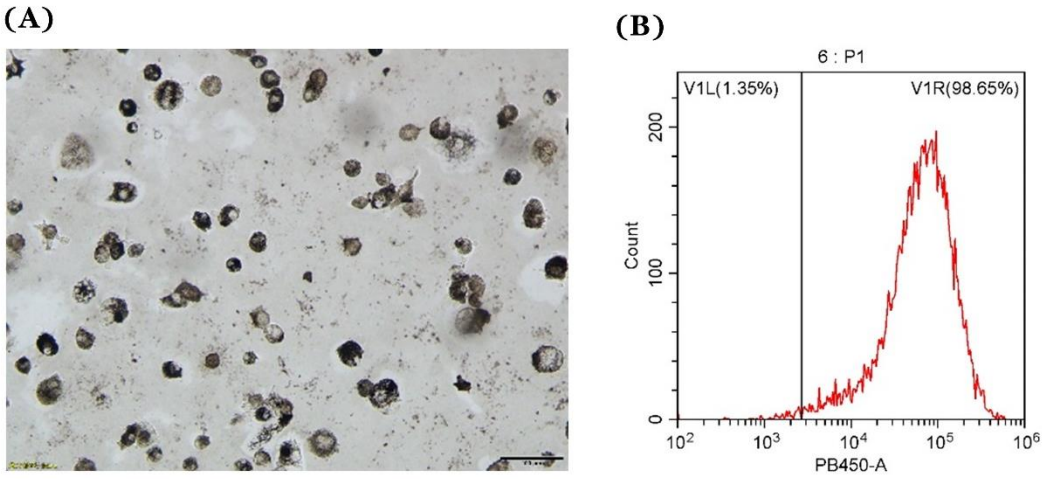

FIGURE S2 The phagocytic activity and purity of KCs. (A) The phagocytic activity of KCs was examined using an ink assay. (B) The percentage of F4/80-positive cells was detected by flow cytometry.

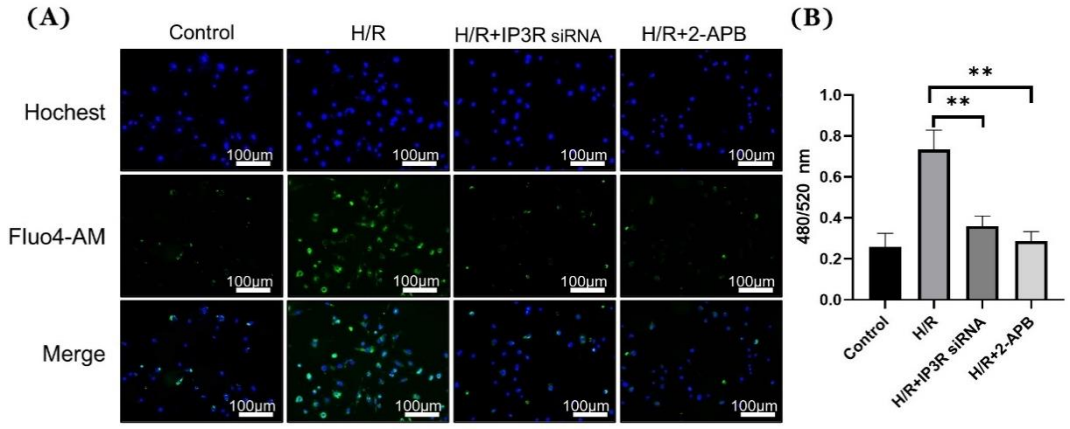

FIGURE S3 The increased calcium in H/R-induced liver macrophages is mainly released from ER KCs that were treated with H/R and blocked by IP3 siRNA (20 μM) or 2-APB (100 μM, 24 h). (A) The concentration of calcium was measured by immunofluorescence, where intracellular calcium was labeled with Fluo-4 AM (green) and the nucleus was labeled with Hoechst stain (scale bar, 100 μm). (B) The relative concentration of calcium in each group was measured with a fluorescence microplate reader. All data are shown as the mean ± SD (n=6). ***P< 0.001, **P < 0.01 and *P< 0.05.