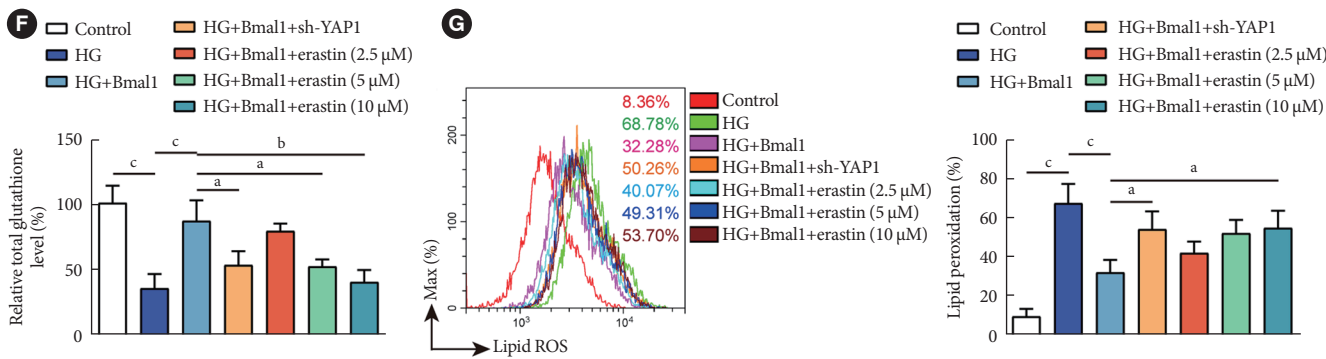


Supplementary Fig. 2. Brain and muscle ARNT-like 1 (Bmal1) overexpression inhibited ferroptosis in high glucose (HG)-induced GC-1 spg cells by activating Yes-associated protein 1 (YAP1) signaling pathway. GC-1 spg cells were co-transfected with Bmal1 overexpression and YAP1 silence vector in the presence of erastin (a ferroptosis inducer) at different concentrations (2.5, 5, or 10 μM). (A) Western blot analysis of Bmal1, YAP1, glutathione peroxidase 4 (GPX4), solute carrier family 7 member 11 (SLC7A11) in each group. (B) The cell viability in each group was determined by cell counting kit 8 (CCK-8). (C) The cell apoptosis in each group was analyzed by flow cytometry. (D, E, F) The levels of malondialdehyde (MDA), iron, and glutathione (GSH) in each group were tested by respective kits. (G) The amount of lipid peroxides was determined by BODIPY 581/591 C11 probe and flow cytometry. Data are expressed as the mean ± standard deviation. sh, short hairpin; PI, propidium iodide; ROS, reactive oxygen species. ^a $P < 0.05$, ^b $P < 0.01$, and ^c $P < 0.001$.

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Supplementary Fig. 2. Continued.