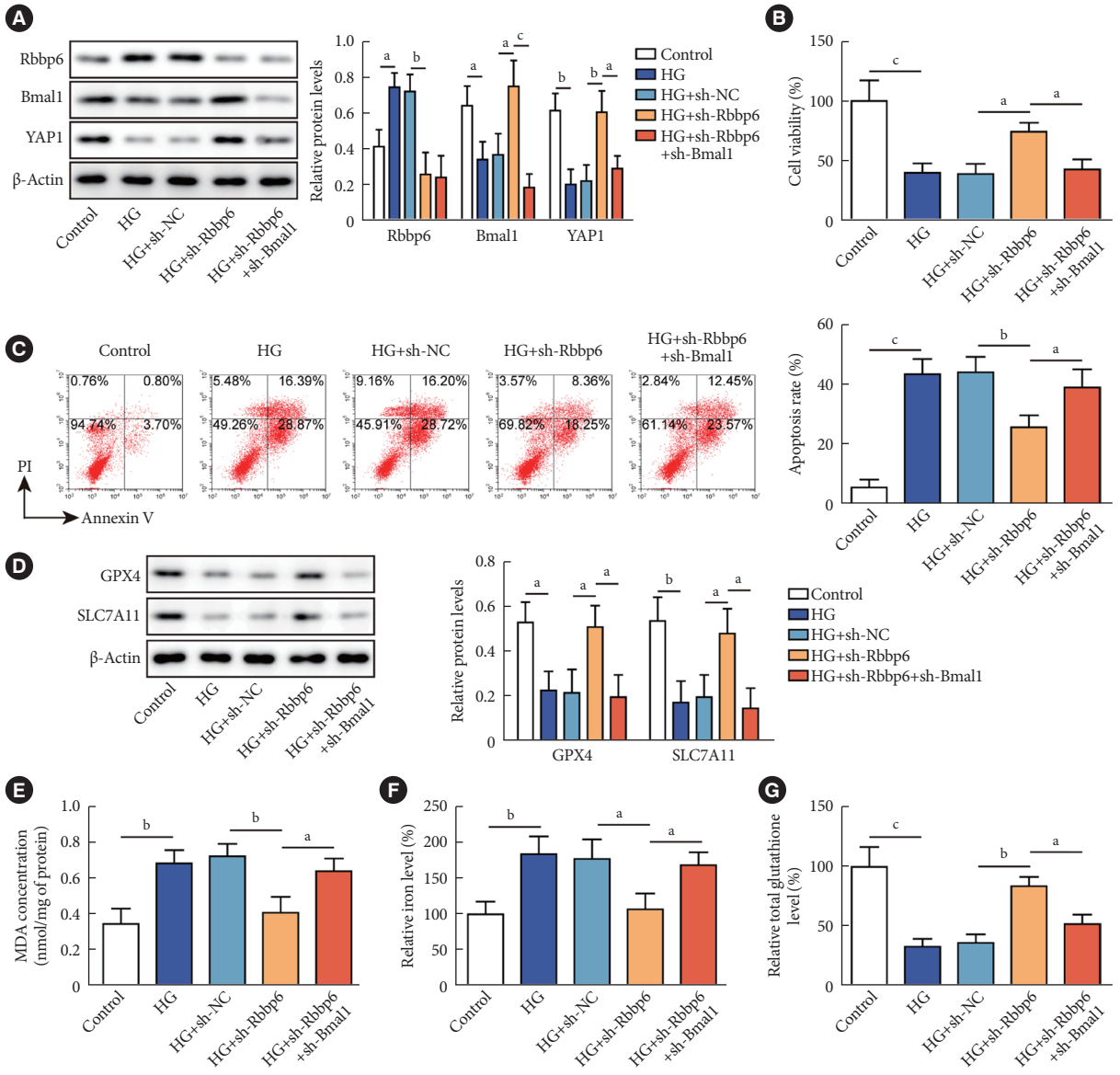
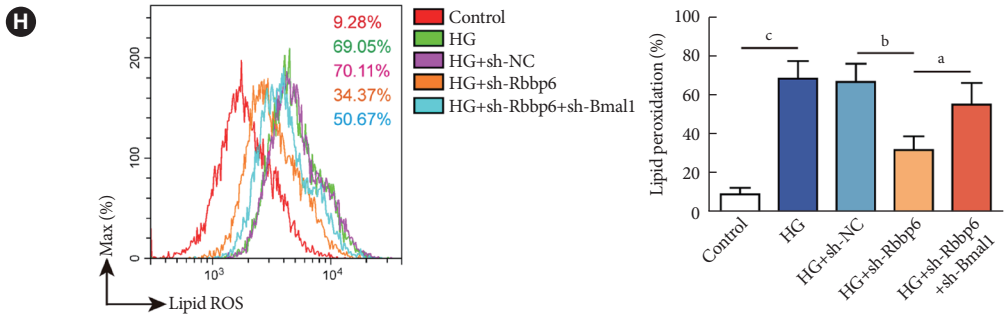


Supplementary Fig. 1. Retinoblastoma-binding protein 6 (Rbbp6) regulated ferroptosis in high glucose (HG)-induced GC-1 spg cells by brain and muscle ARNT-like 1 (Bmal1). (A) Western blot analysis of Rbbp6, Bmal1, and Yes-associated protein 1 (YAP1) in HG-induced GC-1 spg cells after co-transfecting with short hairpin (sh)-Rbbp6 and sh-Bmal1. (B) The viability of HG-induced cells co-transfected with sh-Rbbp6 and sh-Bmal1 was determined by cell counting kit 8 (CCK-8). (C) The apoptosis of HG-induced cells was detected by flow cytometry after simultaneous silencing Rbbp6 and Bmal1. (D) Western blot analysis of glutathione peroxidase 4 (GPX4) and solute carrier family 7 member 11 (SLC7A11) in HG-induced cells co-transfected with sh-Rbbp6 and sh-Bmal1. (E, F, G) The levels of malondialdehyde (MDA), iron, and glutathione (GSH) were detected by respective kits in HG-induced GC-1 spg cells co-transfected with sh-Rbbp6 and sh-Bmal1. (H) The amount of lipid peroxides was determined by BODIPY 581/591 C11 probe and flow cytometry. Data are expressed as the mean±standard deviation. NC, negative control; PI, propidium iodide; ROS, reactive oxygen species. [a]$P<0.05$, [b]$P<0.01$, and [c]$P<0.001$. (*Continued to the next page*)



Supplementary Fig. 1. Continued.