



Figure S1. Effect on Sirt2 signaling pathway of cortical neurons pretreated with GJD with H_2O_2 exposure. (A) Representative immunofluorescence and differential interference contrast merged images of Sirt2 (red) in cortical neurons of the blank, control, and GJD groups. White scale bar= 50 μm , Yellow scale bar= 10 μm . (B) Quantification of Sirt2 intensity in the blank, control, and GJD groups ($n=5$). (C) Relative fold-changes in the Sirt2 mRNA level in the blank, control, and GJD groups ($n=5$). (D) Representative western blot band for Sirt2 in the blank, control, and GJD groups. (E) Relative quantification of the Sirt2 protein expression in the blank, control, and GJD groups ($n=4$). Data are expressed as the mean \pm SEM. Significant differences indicated as [#] $p < 0.05$, ^{##} $p < 0.01$ compared vs. blank group were analyzed via ordinary one-way ANOVA with Tukey's post hoc analysis.