

Figure S1. Flow cytometry analysis of apoptosis in NRK-52E cells under different durations of NG and HG treatment. Cells in the upper right quadrant were defined as late apoptotic cells, and cells in the lower right quadrant were defined as early apoptotic cells. Cells in the upper two quadrants were considered apoptotic cells. HG, high glucose; NG, normal glucose; PI, propidium iodide.

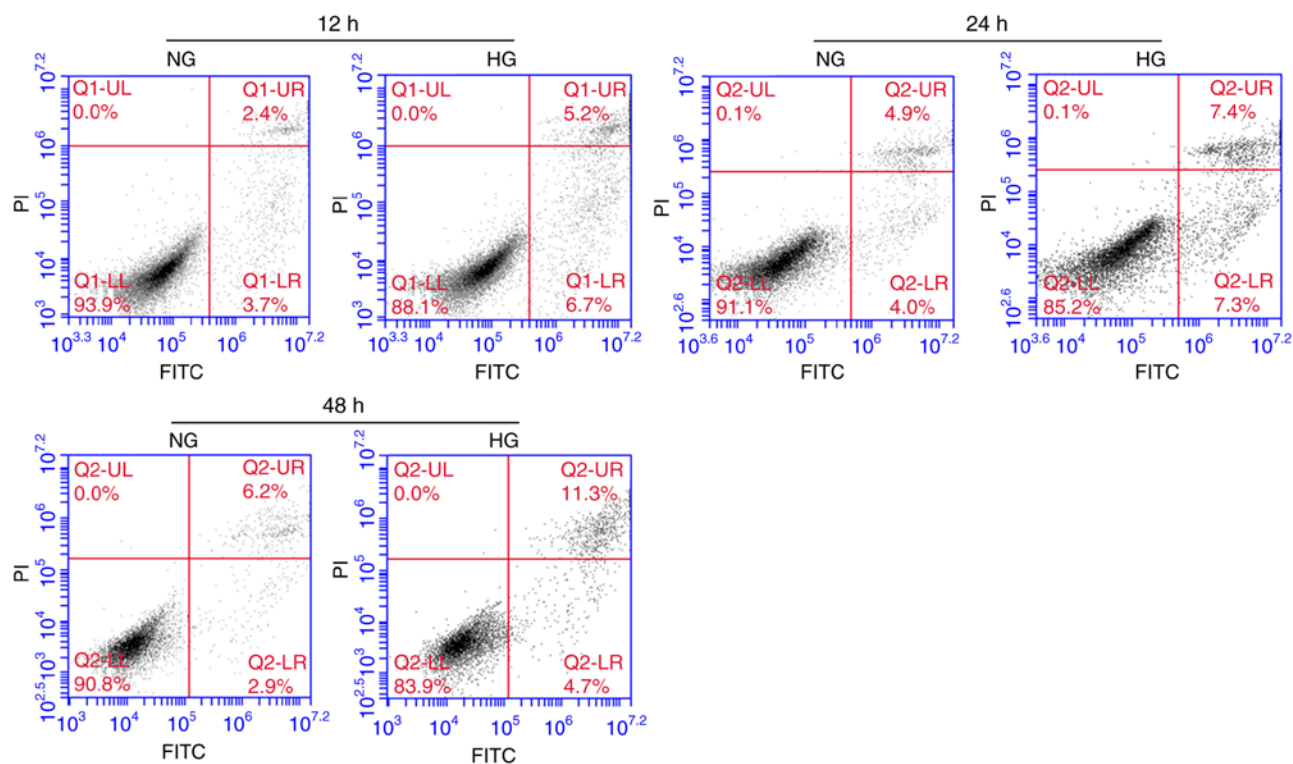


Figure S2. NaBu suppresses HG-induced apoptosis by inhibiting HDACs in NRK-52E cells. (A) The influence of NaBu on the total activity of HDACs in HG-induced NRK-52E cells. Effects of NaBu and TSA on (B) caspase-3 activity and (C) the expression of Bax and Bcl-2. (D) Flow cytometry analysis of apoptosis of NRK-52E cells under the treatment of NaBu and TSA. Cells in upper right quadrant and lower right quadrant were considered apoptotic cells. Data are presented as the mean $\pm$ standard deviation of three independent experiments. $^{**}P < 0.01$ vs. NG group; $^{##}P < 0.01$ vs. HG group. NaBu, sodium butyrate; HG, high glucose; NG, normal glucose; H_2O_2 , hydrogen peroxide; NAC, N-acetylcysteine; TSA, trichostatin A; HDAC, histone deacetylase; PI, propidium iodide.

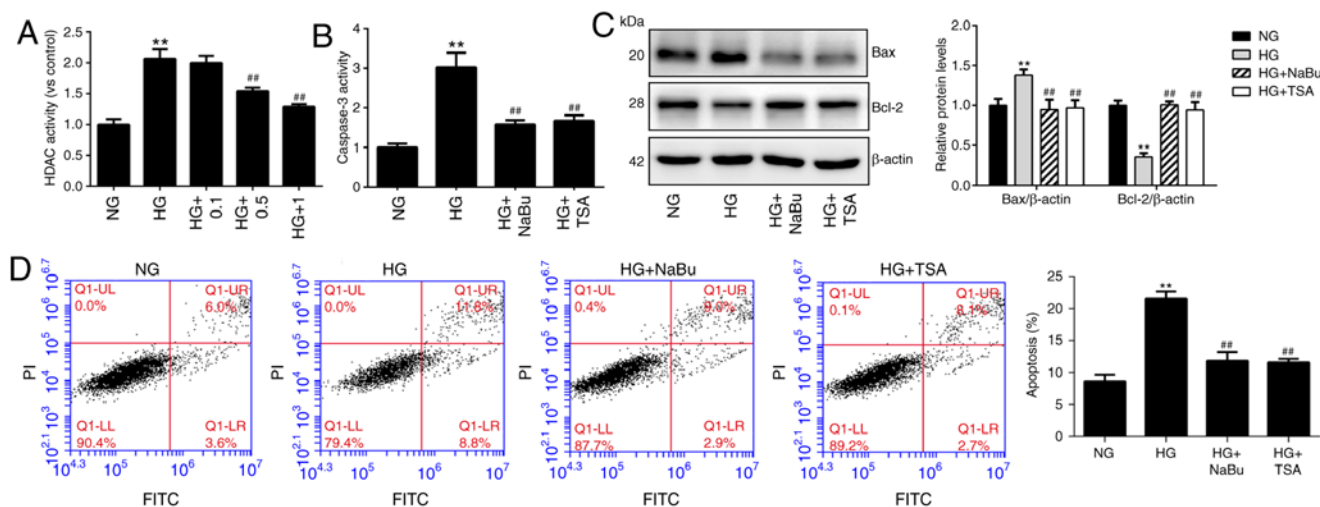


Figure S3. Specific images of the results of flow cytometry analysis of the overexpression of HDAC2 on the apoptosis of NRK-52E cells. NaBu, sodium butyrate; HG, high glucose; TSA, trichostatin A; HDAC2, histone deacetylase 2; PI, propidium iodide.

