



**Supplementary figure 2:** pH condition changes the expression level of GPR4 and the expression of apoptotic markers. mRNA expression level of GPR4 and Bax, Bcl-2 apoptotic markers in the SH-SY5Y. SH-SY5Y stably expressing GPR4 and GPR4 knocked out stable SH-SY5Y cells treated with different pH mediums for 6 hours. GAPDH was used as internal control.