



**Supplementary figure 2. Reduced CEBPD expression attenuates cell viability and induces cell apoptosis in GBM.** (A) The U373MG or T98G cells were transiently transfected with control siRNA or CEBPD siRNA for 72 h and then subjected to CCK-8 viability assay. (B) Caspase 3/7 activity is increased in CEBPD knockdown GBM cells. Cells were harvested from U373MG or T98G stable clones and caspase-3/7 activity was determined by Caspase-Glo® 3/7 Reagent. (C) The U373MG or T98G cells were transiently transfected with control siRNA or CEBPD siRNAs for 72 h and then stained with Annexin V and Propidium Iodide (PI) for flow cytometry analysis. Bars represent the means  $\pm$  SEM from three independent experiments. Differences among groups were determined with one-way or two-way ANOVA followed by Tukey's multiple comparison test. \*\*\* $p < 0.001$ , \*\* $p < 0.01$ , \* $p < 0.05$ . ns: no significant; shLuc: shRNA for Luciferase; shB7, shC7: shRNAs for CEBPD; WT: parental cells; siNeg: siRNA for Negative control; si2895, si2896: siRNAs for CEBPD.