



Figure S1 Docetaxel-resistant lung adenocarcinoma cell lines show decreased docetaxel sensitivity and increased Cul7/Survivin expression. (A) H1299 and H1299DTX cells were seeded into 96-well plates at 2×10^3 cells/well, and medium containing various docetaxel concentrations (0, 5, 10, 20, 40, 80, 160, 320, 640 nM) was added. The cells were cultured for 72 h. Cell viability was evaluated by the MTS method, and the data were analyzed by GraphPad Prism 5 software. (B) The IC_{50} values obtained via the MTS method in three independent experiments are presented in the form of a histogram. (C,D) The mRNA and protein expression of Cul7 in H1299 and H1299DTX cells was measured by qPCR and Western blotting. (E) Western blotting was performed to measure the protein expression of Cul7 and Survivin in H1299 and H1299DTX cells. **, $P < 0.01$; ns, no statistical significance. IC_{50} , half maximal inhibitory concentration; Cul7, Cullin7; qPCR, quantitative polymerase chain reaction; MTS, 3-(4,5-dimethylthiazol-2-yl)-5-(3-carboxymethoxyphenyl)-2-(4-sulfophenyl)-2H-tetrazolium, inner salt.