



**Fig.S1** Knockdown of UBQLN1 inhibited colorectal cells' malignant progression through ERK-c-Myc signaling pathway. **A** Colorectal cancer cell line SW480 was used to establish UBQLN1 silencing cell line; **B** Western blot was performed to detect relativity between ERK-MAPK pathway and c-MYC in UBQLN1 silencing cell line

SW480; **C** UBQLN1 silencing cell line SW480 was used to establish c-MYC over-expression cell line. **D,E** CCK-8 assay was performed to detect cell proliferation in SW480-shUBQLN1 followed by c-MYC over-expression; **F-I** Colony formation assay was performed to detect cells colony formation ability in SW480-shUBQLN1 followed by c-MYC over-expression and results were displayed as represent figures (**F,G**) and statistical graph (**H,I**). Data are shown as mean $\pm$ SD; n=3 independent experiments, \*  $p < 0.05$ , \*\*  $p < 0.01$ , \*\*\*  $p < 0.001$  based on the student's t test.