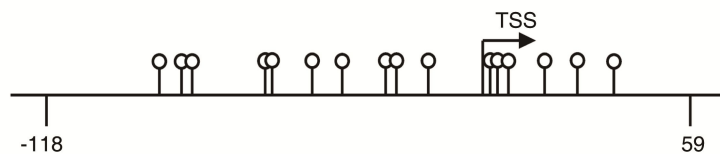
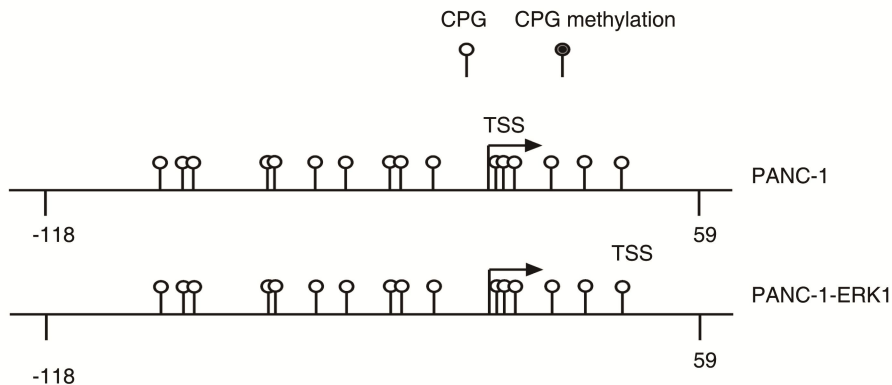


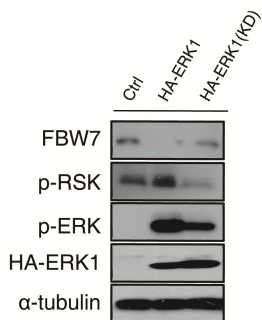
FBXW7/hCDC4- α promoter



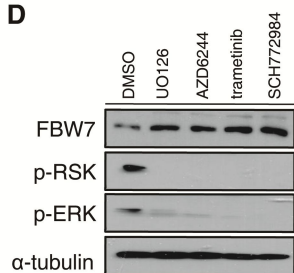
B



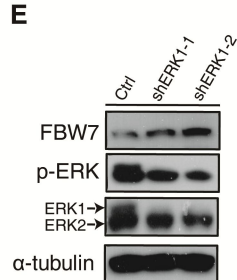
C



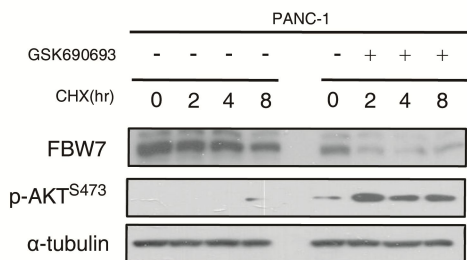
D



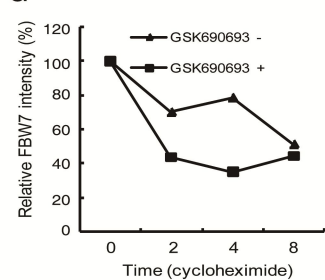
E



F



G



Supplementary information, Figure S3 (related to Figure 3) ERK negatively regulates FBW7.

(A) Schematic map of the longest transcript of FBXW7/hCDC4- α promoter region around the transcription start sites (TSS). CpG dinucleotides are depicted. (B) FBXW7/hCDC4- α core promoter region containing 16 CpG sites in PANC-1 cells were seldom methylated after introduction of ERK1. (C) PANC-1 cells were infected with wild type ERK1 and kinase-dead mutant expressing virus, and then incubated with 1 ug/ml puromycin to eliminate the non-infected cells. FBW7 expression was analyzed by immunoblot. (D) PANC-1 cells were treated with indicated inhibitors for 12h and cell lysates were collected and immunoblots were performed with the indicated antibodies. (E) SW1990 cells were infected with indicated lenti-viral shRNA vectors, and then incubated with 1 ug/ml puromycin to eliminate the non-infected cells. Cell lysates were collected and immunoblots were performed with the indicated antibodies. (F) PANC-1 cells were treated with 20 μ g/ml CHX in the presence or absence of 10 μ M GSK690693, and whole cell lysates (WCL) were collected at the indicated time points for immunoblot analysis. (G) Semi-quantification with α -tubulin as a loading control and relative FBW7 levels at time 0 were set as 100%.