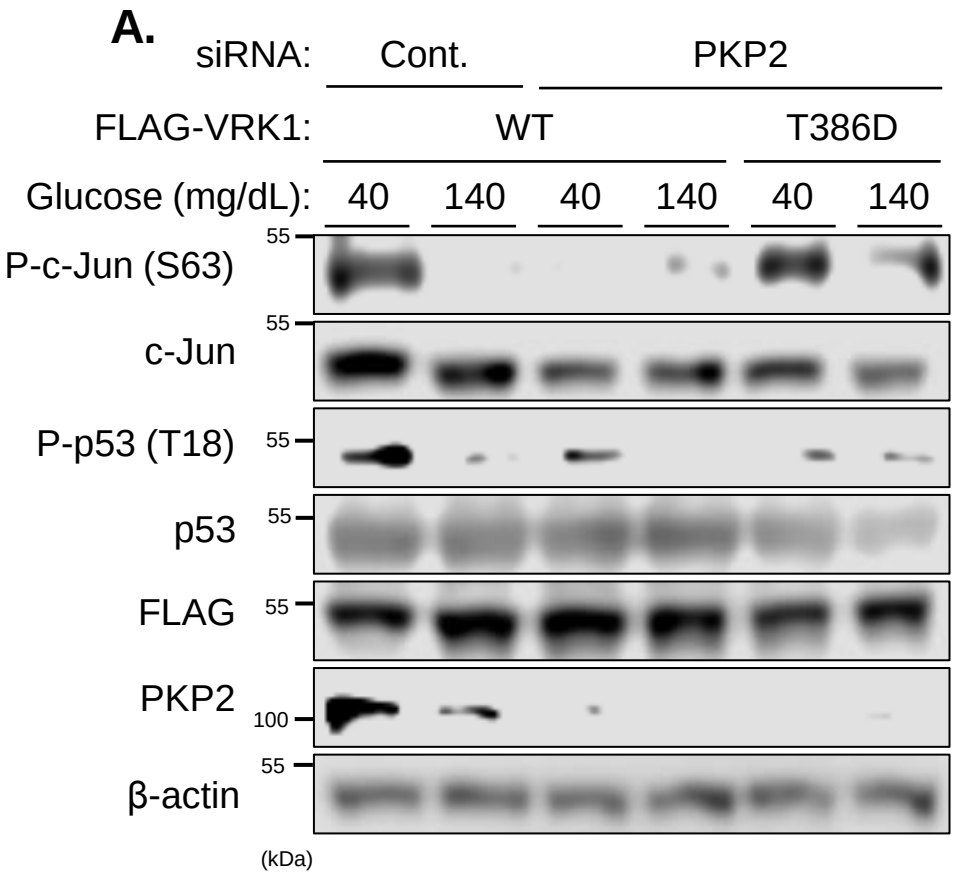
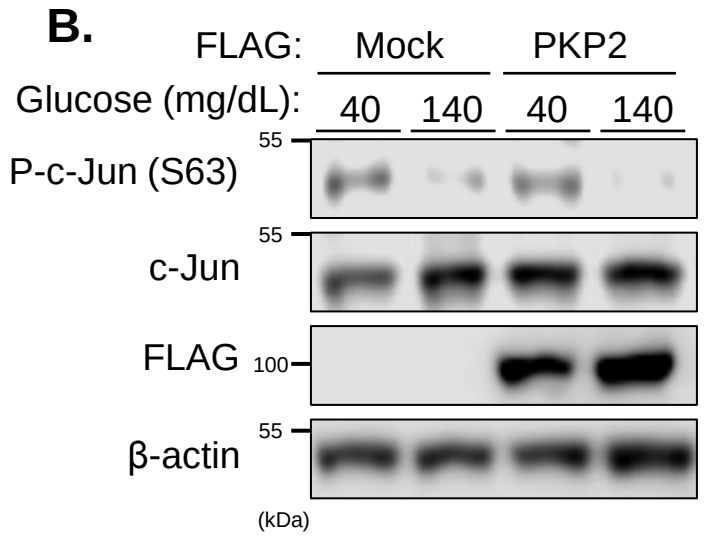
Supplemental figure





Supplemental Figure 1: (A) After transfection with siPKP2 or control for 24 hours, Huh-7 cells were expressed with FLAG-tagged VRK1-WT or T386D for 24 hours in middle (100 mg/dL) glucose and, subsequently, in low (40 mg/dL) or high (140 mg/dL) glucose for 3 hours. Whole extracts of these cells were prepared using urea buffer. c-Jun and p53 phosphorylation were analyzed by Western blotting using an anti-P-Ser63 c-Jun antibody and an anti-P-Thr18 p53 antibody, respectively. Protein expression levels of c-Jun, p53, FLAG or PKP2 were determined by Western blotting assay. Expression levels of β-actin were used for loading control. (B) Huh-7 cells were expressed with FLAG-tagged PKP2 or mock for 24 hours in middle (100 mg/dL) glucose and, subsequently, in low (40 mg/dL) or high (140 mg/dL) glucose for 3 hours.Whole extracts of these cells were prepared using urea buffer. c-Jun phosphorylation was analyzed by Western blotting using an anti-P-Ser63 c-Jun antibody. Protein expression levels of c-Jun or FLAG-tagged PKP2 were determined by Western blotting. Expression levels of β-actin were used for loading control.