

Fig. S1. The specificity of shRNAs for the knocking out VRK2 was examined.

(A) Western blot was performed to examine the levels of VRK2 protein in BXPC3 cells.

(B) CCK8 assay was performed to examine the growth of BXPC3 cells.

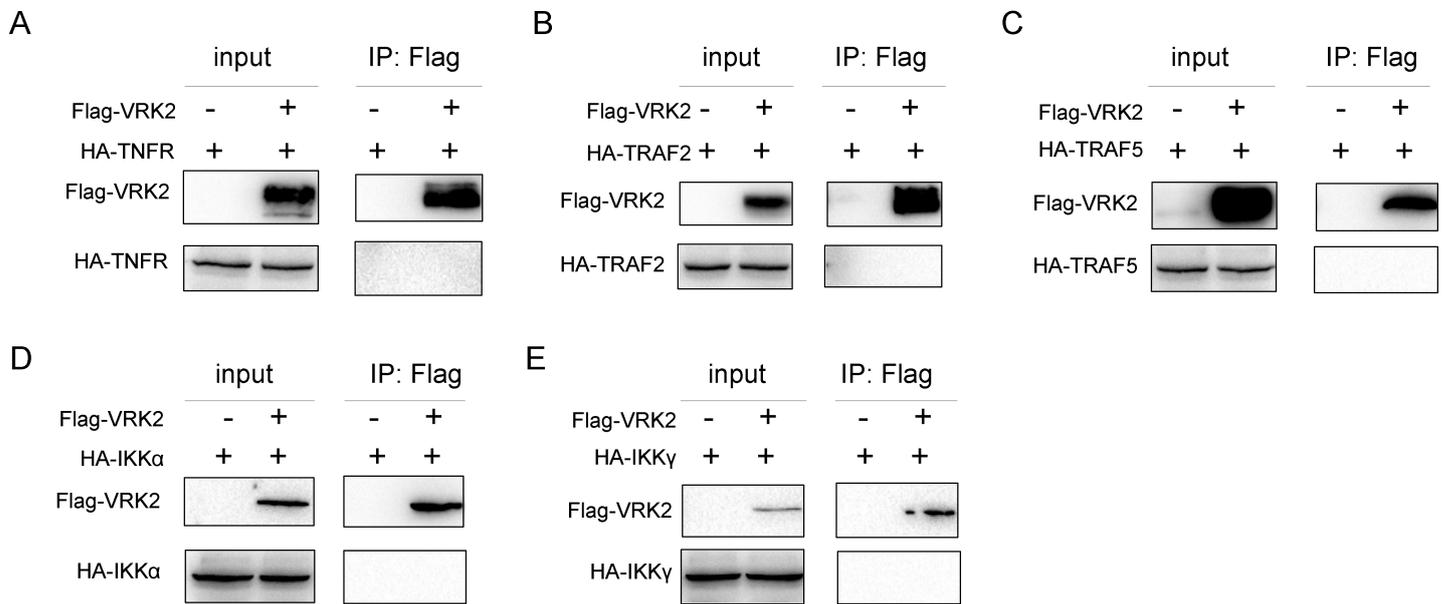


Fig. S2. The interaction between VRK2 and the major components of TNF $\alpha$ /NF- $\kappa$ B pathway was examined by Co-IP.

The indicated expression vectors were transfected into 293T cells.

48 hours after transfection, the Co-IP was performed to examine the interaction

between Flag-VRK2 and TNFR (A), TRAF2 (B), TRAF5 (C), IKK $\alpha$  (D), IKK $\gamma$  (E).