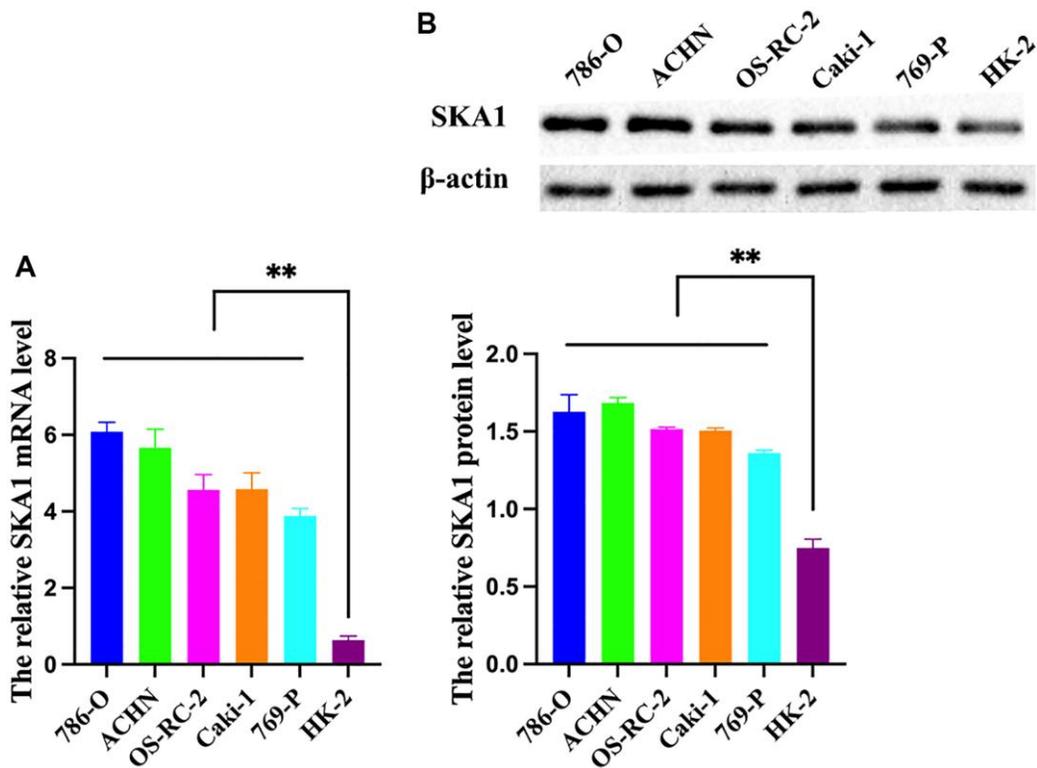
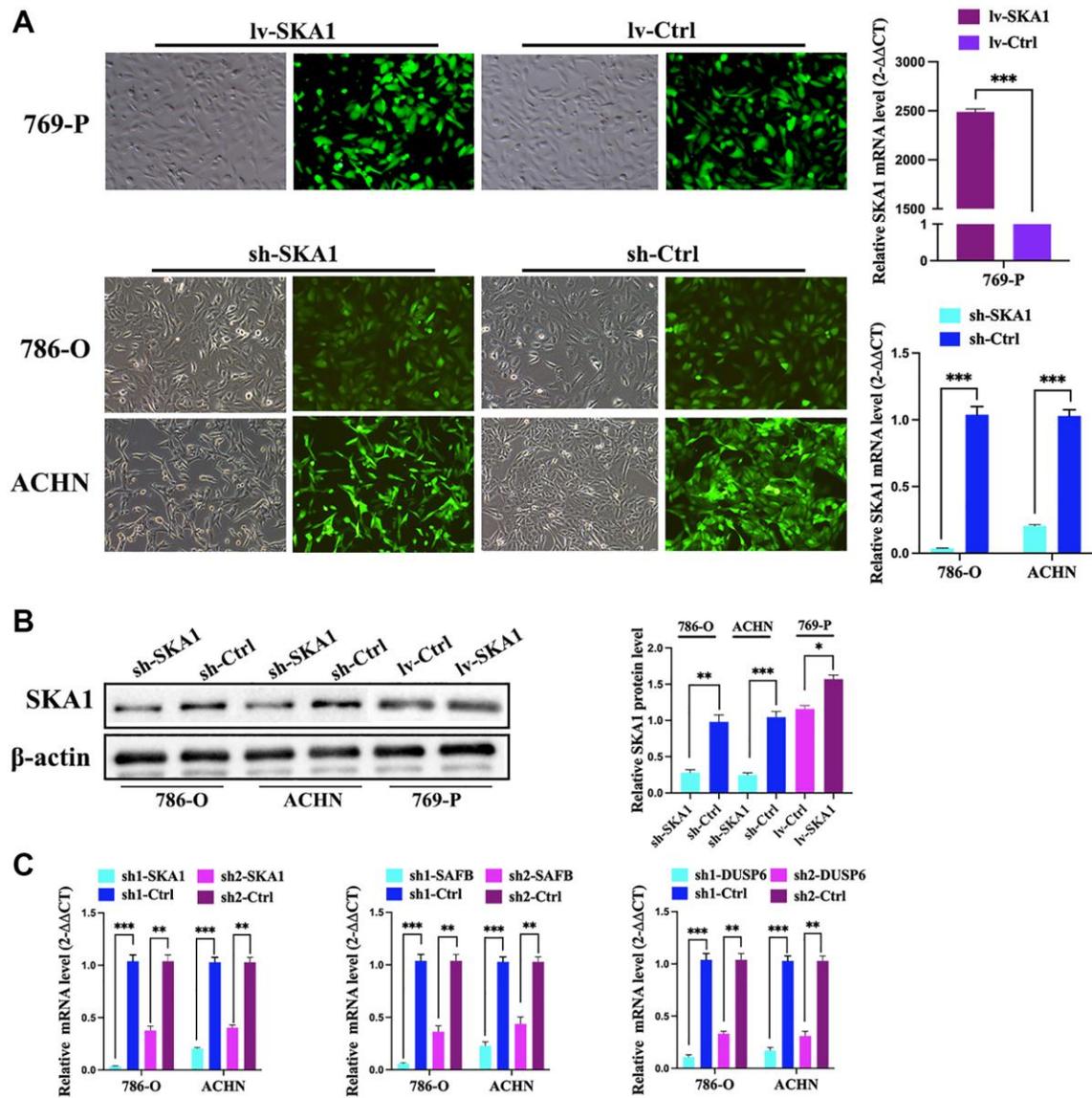


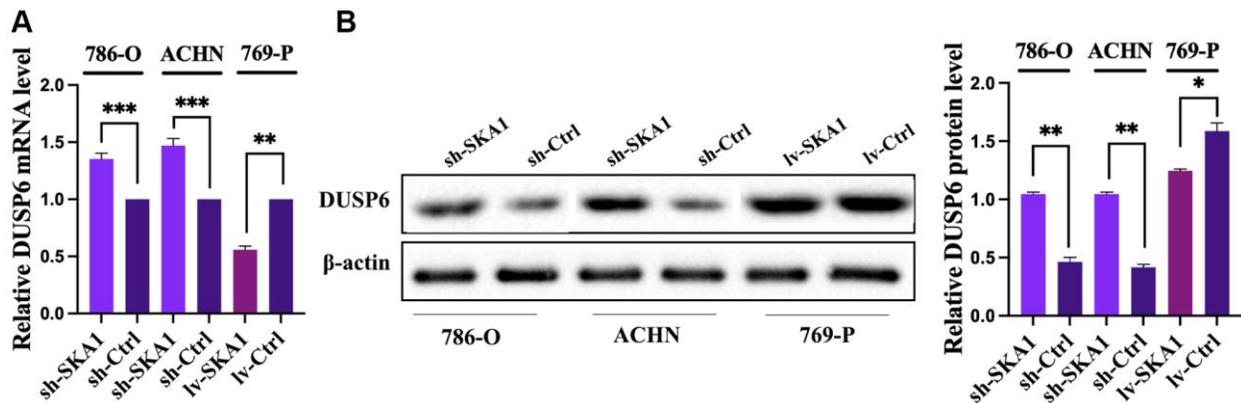
## SUPPLEMENTARY FIGURES



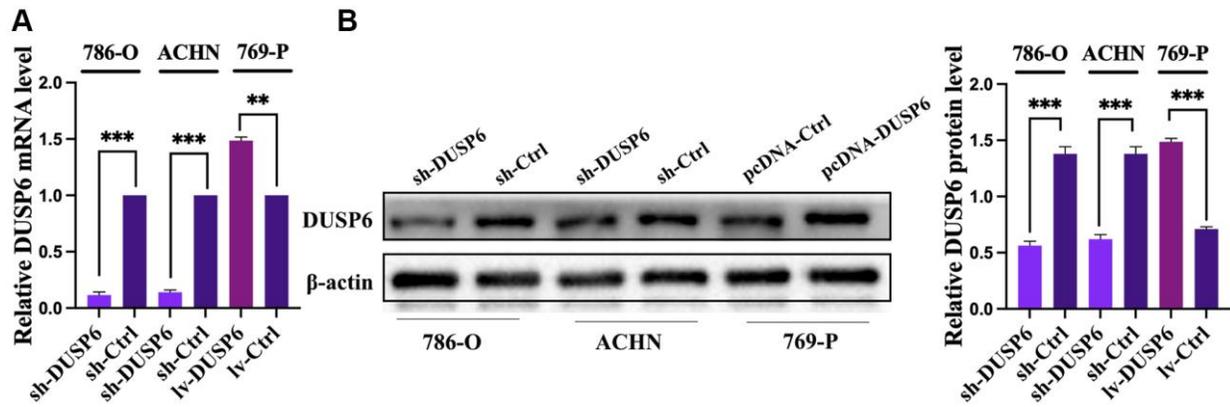
**Supplementary Figure 1.** (A and B) mRNA and protein expression level of SKA1 in a normal renal cell line (HK-2) and five ccRCC cell lines (786-O, 769-P, ACHN, Caki-1, and OS-RC-2).



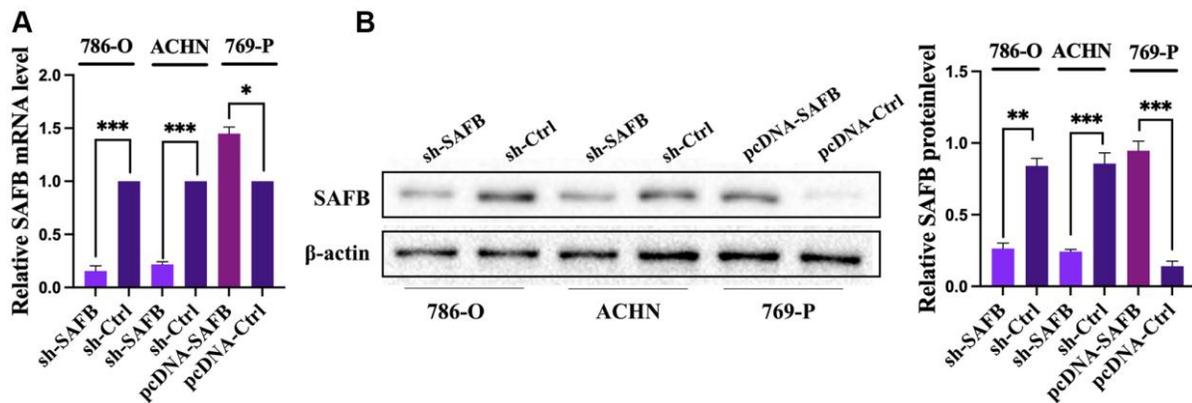
**Supplementary Figure 2.** (A–C) The overexpressing or knockdown efficiency of SKA1 was verified by qRT-PCR and Western blot assays in 769-P or 786-O and ACHN cells. (C) Comparison of the interference efficiency of two different sequences targeting SKA1, DUSP6 and SAFB genes, respectively.



**Supplementary Figure 3.** (A and B) PCR and western blot analysis of DUSP6 mRNA and protein levels in 786-O, ACHN and 769-P cells.



**Supplementary Figure 4.** (A and B) The interference and overexpression efficiency of DUSP6 manipulated with indicated plasmid was validated by qPCR and western blot.



**Supplementary Figure 5.** (A and B) The interference and overexpression efficiency of SAFB manipulated with indicated plasmid was validated by qPCR and western blot.