**Supplementary Figure Legends**

**Supplementary Figure S1.** Transfection efficiency of siRNA and overexpression plasmid in melanoma cells was detected by western blotting. A) Negative control or three specific siRNAs directed against WTAP was transfected into A875 and A375 cells, and the knockdown efficiency was determined by western blotting. B) The plasmid for WTAP overexpression and control vector were transfected into A875 and A375 cells, and the efficiency of infection was determined by western blotting. \*\*p < 0.01

**Supplementary Figure S2.** Colony formation assay in melanoma cells with WTAP silencing or overexpression. A, B) Results of the colony formation assay of melanoma cells in the siWTAP and control groups (A) or in the WTAP overexpression and control groups were exhibited (B). \*\*p < 0.01