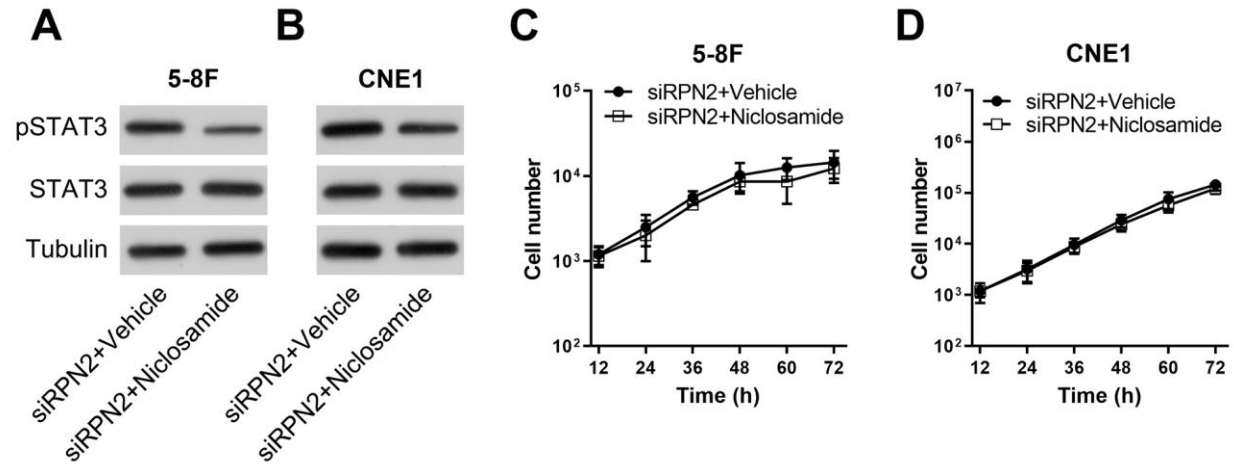


**Supplementary Fig. 1. Effect of RPN2 silencing in NP69 cells.** NP69 cells were transfected with siRNA-NC (siNC) or siRNA-RPN2 (siRPN2) for 36 h. (A) Q-PCR and (B) WB were performed to assess RPN2 expression in NP69 cells after transfections. (C) NPC cell proliferation in 12–72 h of culture was analyzed using the CCK-8 assay. (D) Soft agar CFA of NP69 cells treated with siNC or siRPN2 was performed. \*\* $P < 0.01$ .



**Supplementary Fig. 2. Niclosamide-inhibited STAT3 did not change cell viability reduced by RPN2 silencing.** CNE1 and 5-8F cells were first treated with siRPN2 for 0.5 d, followed by 0.3  $\mu$ M Niclosamide or 0.1% DMSO for 24 h. (A, B) Total STAT3 and phosphorylated STAT3 were examined using WB. (C, D) The influence of STAT3 deactivation on 5-8F and CNE1 cell proliferation in 12–72 h of culture was evaluated using the CCK-8 assay. \* $P < 0.05$ .