

Prothymosin α promotes STAT3 acetylation to induce cystogenesis in Pkd1-deficient mice

Yi-Cheng Chen, Yu-Chu Su, Gia-Shing Shieh, Bing-Hua Su, Pei-Hsin Huang, Si-Tse Jiang, Ai-Li Shiau, Chao-Liang Wu

Supplementary Figure S1

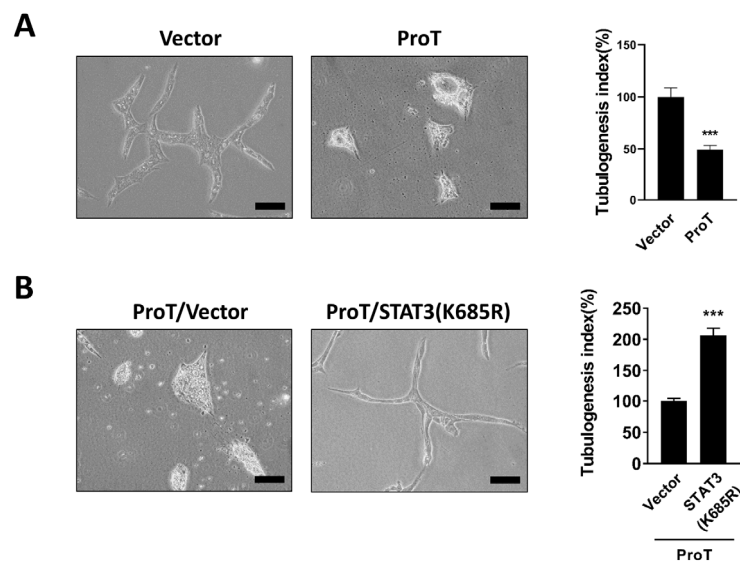


Figure S1. Inhibition of STAT3 ameliorate cystogenesis in ProT overexpressing MDCK cells. (A) MDCK stably expressing ProT or a control vector was cultured with HGF (20 ng/ml) in a three-dimensional collagen gel. (B) Stable expression occurred in dominant-negative STAT3 (K685R-mutated STAT3) in ProT overexpressing MDCK cells and in the cultures with HGF (20 ng/ml) in the three-dimensional collagen gel. After 72 hours, the circumference of each colony (cyst and tube) was measured using MetaMorph software and analyzed ($***P < 0.001$; mean \pm SEM; Student's t-test). The experiment of all group was independently performed three times, and the fields were randomly selected at a 4X magnification to measure the circumference of each colony (cyst and tube; mean \pm SEM) by MetaMorph software and quantified using a Student's t-test. $***p < 0.001$. All photos are shown at a 200X magnification.