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sh-Twa1

Supplementary information, Figure S5 Twa1 promotes β-catenin nuclear accumulation and Wnt target gene expression in response to LiCl treatment. HEK-293 cells infected with lentiviruses containing sh-Twa1, sh-Twa1-2 or sh-ctr were transfected with an RNAi-resistant human Twa1 (Twa1*) construct or not. The cells were then treated with LiCl (40 mM) or not, and subjected to the following experiments. (**A-D**) Effect of Twa1 depletion on LiCl-induced luciferase reporter activity (**A**, **C**) and Wnt target gene expression by qRT-PCR (**B**, **D**). Quantitative data are shown as the mean ±SEM (at least three independent experiments). **P* < 0.05 and ***P* < 0.01, Student's *t* test. (**E**) Western blotting of endogenous β-catenin and Twa1 from cytosolic and nuclear fractions of HEK-293 cells. Lamin B and α-tubulin were used as loading controls for nuclear and cytoplasmic fractions, respectively. (**F**) Confocal microscopy showing the nuclear localization of β-catenin. Green signals indicate the cells infected with lentiviruses. DNA was stained with DAPI (blue). Bars, 10 μm. (**G**) Western analysis of the indicated proteins co-immunoprecipitated by anti-β-catenin antibody in HEK-293 cells. IB, immunoblotting; **IP**, immunoprecipitation.