PABPC1 Restricts Bat-Origin Swine Acute Diarrhea Syndrome Coronavirus Infection via TOLLIP-Mediated Degradation of Viral Nucleocapsid Protein

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Supplementary information

Figure S1. PABPC1 interacts with the SADS-CoV N protein in an RNA-dependent manner. (A) HEK293T cells were transfected with pFlag-N and pHA-PABPC1, cell lysate was treated with or without RNase at 37℃ for 30 min, followed by incubated with Flag-beads overnight at 4℃. The protein samples were used to Western blotting using the indicated antibodies.

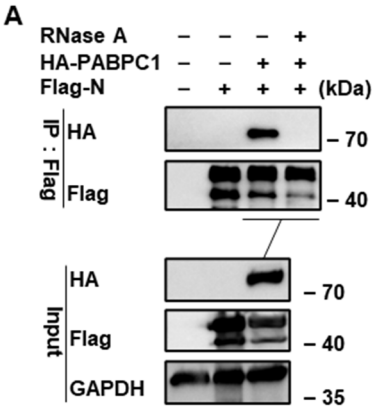


Figure S2. Porcine PABPC1 inhibits SADS-CoV replication. (A) Porcine ileal epithelial (IPI-2I) cells were transfected with the plasmid of porcine PABPC1 (pPABPC1) for 24 h, using human PABPC1 (hPABPC1) as a control, followed by infection with SADS-CoV (MOI = 1). The N protein levels were determined by western blotting using an anti-N antibody. GAPDH served as loading control.

