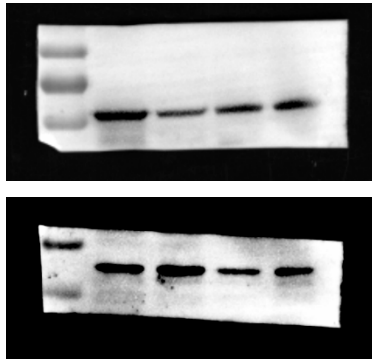


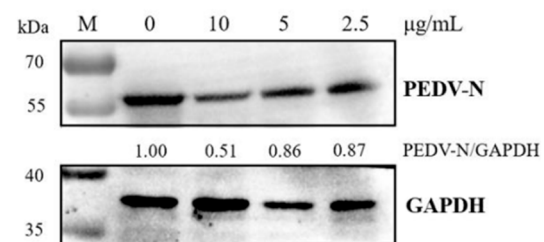
Western blot analysis of PEDV-N and GAPDH expression. The top panel shows PEDV-N expression with lanes M (marker), 0, and 10 µg/mL. Molecular weight markers are at 70 and 55 kDa. The bottom panel shows GAPDH expression with lanes 1.00 and 0.58. Molecular weight markers are at 40 and 35 kDa. PEDV-N/GAPDH ratios are indicated below the GAPDH bands.

**Fig. 6D** The corresponding expression of PEDV N protein was determined by western blot and quantified by ImageJ. Chi-AgNPs blocks PEDV penetration. Vero cells were pre-cooled at 4 °C, followed by PEDV (MOI=0.1) incubation for 1 h. Then, cells were washed with PBS three times and incubated in the presence of Chi-AgNPs at 37 °C for 1 h.

### Original images

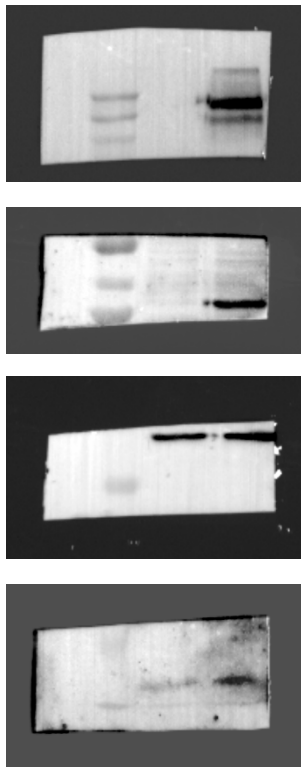


### Edited images

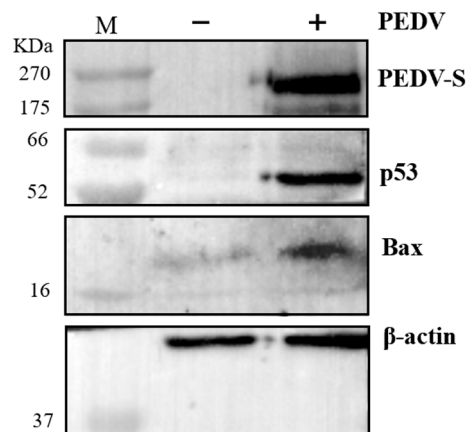


**Fig. 6G** Cells were harvested for PEDV N protein expression analysis by western blot.

### Original images

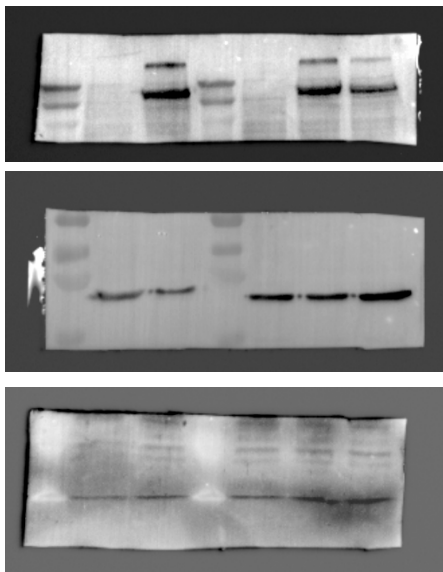


### Edited images

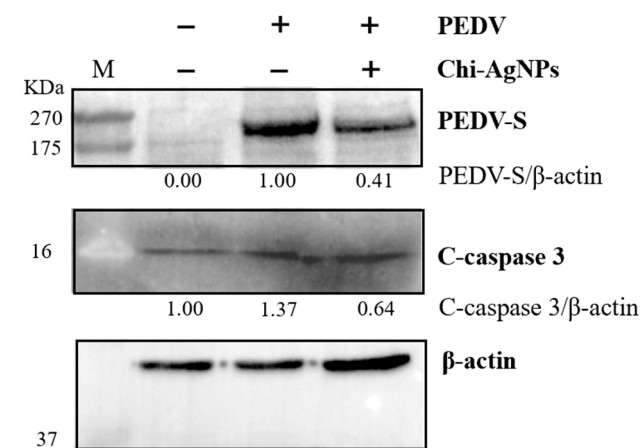


**Fig. 8B** PEDV infection induces p53 signaling activation. Western blot analysis of PEDV S protein, p53, and Bax in Vero cells infected with PEDV.

**Original images**

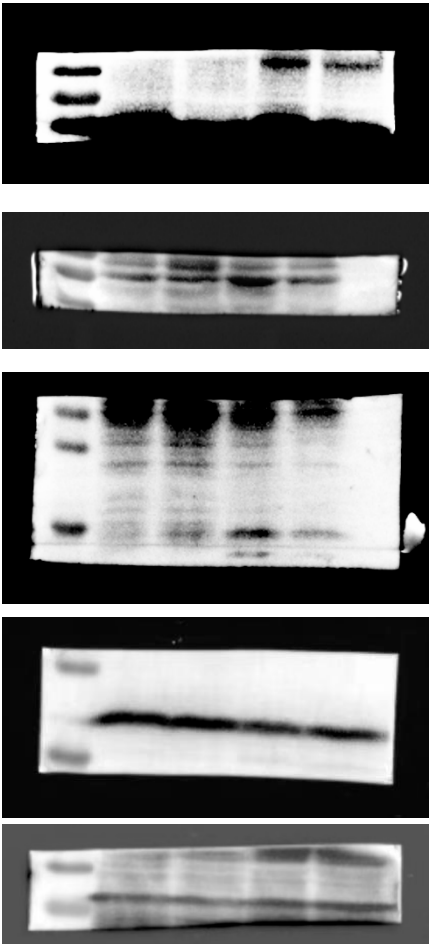


**Edited images**

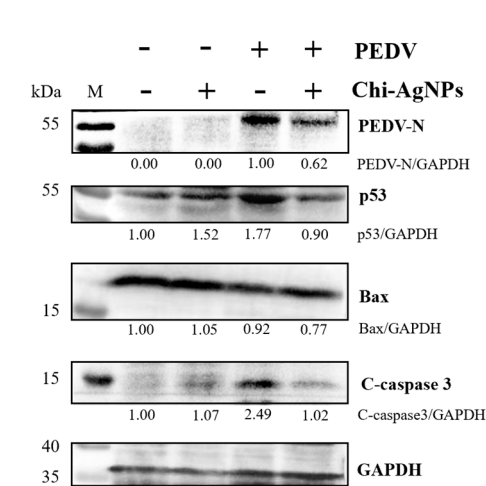


**Fig. 8D** Chi-AgNPs inhibit cell apoptosis during PEDV infection. Western blot analysis of the expression of cleaved caspase 3 and PEDV S protein level in PEDV infected Vero cells treated with Chi-AgNPs.

# Original images



# Edited images



**Fig. 9B** Chi-AgNPs reduced PEDV causes cell apoptosis through activation of p53-mediated apoptotic pathway.