

## Electronic Supplementary Material

### Foot-and-Mouth Disease Virus Inhibits RIP2 Protein Expression to Promote Viral Replication

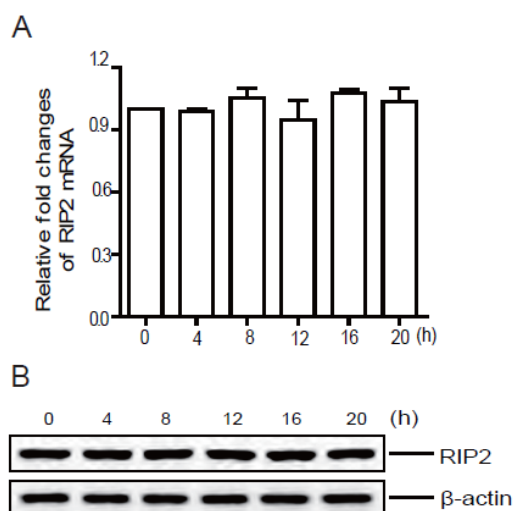
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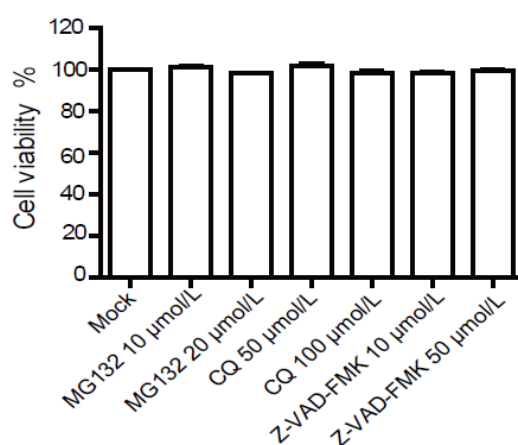
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**Table S1** qPCR primers used in this study.

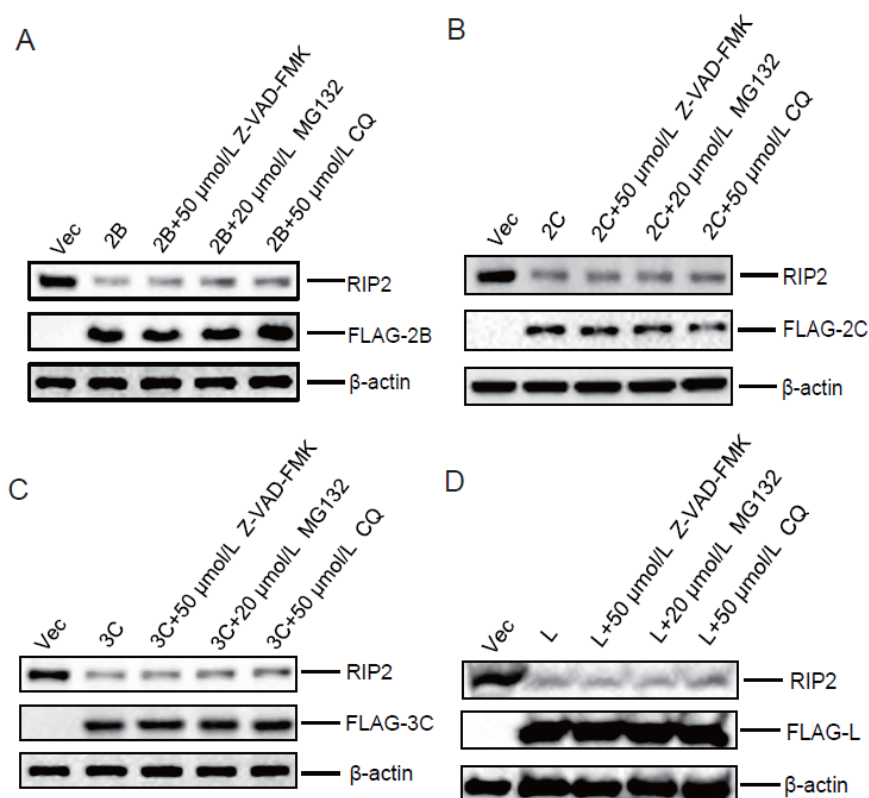
Primers	Sequences (5'-3')	Target gene
IFN-β-F	GCTAACAAGTGCATCCTCCAAA	porcine IFN-β gene
IFN-β-R	AGCACATCATAGCTCATGGAAAGA	
ISG15-F	GATCGGTGTGCCTGCCTTC	porcine ISG15 gene
ISG15-R	CGTTGCTGCGACCCCTTGT	
IL1β-F	CCCAGGAAGACGGGCTTT	porcine IL1β gene
IL1β-R	GCCTTCGGCCCAGTGAA	
CCL3L1-F	TCTCGCCATCCTCCTCTG	porcine CCL3L1 gene
CCL3L1-R	TGGCTGCTGGTCTCAAATA	
RIP2-F	GGCTCAAAGGGCAACATTC	porcine RIP2 gene
RIP2-R	GGGCATCCAGAGATTGGTTA	
FMDV-F	CACTGGTGACAGGCTAAGG	FMDV gene
FMDV-R	CCCTTCTCAGATTCCGAGT	
GAPDH-F	ACATGGCCTCCAAGGAGTAAGA	porcine GAPDH gene
GAPDH-R	GATCGAGTTGGGGCTGTGACT	



**Fig. S1** The expression of RIP2 in the mock-infected cells. PK-15 cells cultured in 3.5 cm dishes were collected and analyzed at the indicated time points. **A** Expression of RIP2 mRNA was determined by qPCR assay; **B** Expression of the target proteins was detected by Western blotting. All the results represent the means and standard deviations of data.



**Fig. S2** All doses of the inhibitor did not induce significant cell death. PK-15 cells were seeded in six-well plates, and the monolayer cells were maintained in the presence or absence of the inhibitors MG132, CQ, and Z-VAD-FMK for 24 h. The cytotoxicity of all doses of inhibitors was measured by MTS assay. All the results represent the means and standard deviations of data.



**Fig. S3** The inhibitors MG132, CQ, and Z-VAD-FMK did not affect 2B-, 2C-, 3C<sup>pro</sup>-, or L<sup>pro</sup>-induced reduction of RIP2. PK-15 cells cultured in 3.5 cm dishes were transfected with 2 μg empty vector or FLAG-2B- (**A**), FLAG-2C- (**B**), FLAG-3C- (**C**), and FLAG-L-expressing plasmids (**D**). At 6 hpt, the cells were maintained in the presence or absence of the proteasome inhibitor MG132 (20 μmol/L), lysosome inhibitor CQ (50 μmol/L) and caspases inhibitor Z-VAD-FMK (50 μmol/L). At 24 hpt, the cells were collected for western blotting.