

## Accepted Manuscript

Title: Down-regulating heat shock protein 27 is involved in porcine epidemic diarrhea virus escaping from host antiviral mechanism

Authors: Min Sun, Zeyanqiu Yu, Jiale Ma, Zihao Pan, Chengping Lu, Huochun Yao



PII: S0378-1135(17)30090-1  
DOI: <http://dx.doi.org/doi:10.1016/j.vetmic.2017.04.031>  
Reference: VETMIC 7630

To appear in: *VETMIC*

Received date: 20-1-2017  
Revised date: 27-4-2017  
Accepted date: 30-4-2017

Please cite this article as: Sun, Min, Yu, Zeyanqiu, Ma, Jiale, Pan, Zihao, Lu, Chengping, Yao, Huochun, Down-regulating heat shock protein 27 is involved in porcine epidemic diarrhea virus escaping from host antiviral mechanism. *Veterinary Microbiology* <http://dx.doi.org/10.1016/j.vetmic.2017.04.031>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

1. The replication of PEDV strain 85-7 is extremely sensitive to IFN- $\beta$  treatment;
2. HSP27 is an intracellular anti-PEDV factor depending on the IFN- $\beta$  signaling pathway;
3. The ISGs Mx1 and Mx2, but not Viperin, show efficient inhibition of PEDV replication;
4. The down-regulation of HSP27 mediates PEDV escaping from host antiviral mechanism.

Download English Version:

<https://daneshyari.com/en/article/5545382>

Download Persian Version:

<https://daneshyari.com/article/5545382>

[Daneshyari.com](https://daneshyari.com)