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BACKGROUND: The myosin light chain kinase (MLCK) pathway controls intestinal epithelial barrier permeability by regulating the tight junction. ... models in vitamin D analog paricalcitol-treated wild-type mice and mice carrying ... 1,25( OH)2D3 directly suppressed long MLCK expression by attenuating NF-κB activation, and ...

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 31819

Manuscript Type: ORIGINAL ARTICLE

*Basic Study*

**Alleviate *Acanthopanax senticosus* polysaccharides-induced intestinal tight junction injury via inhibiting NF- $\kappa$ B/MLCK pathway in a mouse model of endotoxemia**

Jie Han, Ji-Hong Li, Guang Bai, Guo-Shun Shen, Jing Chen, Jia-Nan Liu, Shuo Wang, Xian-Jun Liu

## Abstract

### AIM

To examine the effects of *Acanthopanax senticosus* polysaccharides (ASPS) on intestinal tight junction (TJ) disruption and NF- $\kappa$ B/MLCK activation in endotoxemia.

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