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Name of Journal: *World Journal of Gastroenterology***Manuscript NO:** 53046**Manuscript Type:** ORIGINAL ARTICLE**Basic Study**

Calpain-2 activity promotes aberrant endoplasmic reticulum stress-related apoptosis in hepatocytes

Ru-Jia Xie, Xiao-Xia Hu, Lu Zheng, Shuang Cai, Yu-Si Chen, Yi Yang, Ting Yang, Bing Han, Qin Yang

Abstract**BACKGROUND**

Calpain-2 is a Ca²⁺-dependent cysteine protease and high calpain-2 activity can enhance apoptosis mediated by multiple triggers.

AIM

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1	Crossref 26 words Juan A. Martinez, Zhiquan Zhang, Stanislav I. Svetlov, Ronald L. Hayes, Kevin K. Wang, Stephen F. Larner. "Calpain and caspa	1%
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Author: Ira Tabas, David Ron

Publish Year: 2011

Mediators of endoplasmic reticulum stress-induced apoptosis

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May 05, 2006 · Mediators of **endoplasmic reticulum** stress-induced **apoptosis** Eva Szegezdi , 1, 2 Susan E Logue , 1, 2 Adrienne M Gorman , 1 and Afshin Samali 1, a 1 Department of Biochemistry and National Centre for Biomedical Engineering Science, National ...

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Copper sulfate-induced endoplasmic reticulum stress ...

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Copper sulfate (CuSO₄) can induce **endoplasmic reticulum** (ER) stress and **apoptosis** in the mouse liver.. CuSO₄-caused ER stress can **promote** hepatic **apoptosis**.. The CHOP, JNK and caspase-12 apoptotic signaling pathways activated by Cu-induced ER stress are systematically expounded.

Author: Hongbin Wu, Hongrui Guo, Huan Liu, ...

Publish Year: 2020

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The ER is an interconnected network of tubules, vesicles and flattened sacs, and is classified as either