Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 48244

Manuscript Type: ORIGINAL ARTICLE

Basic Study

High mobility group box-1 release from H_2O_2-injured hepatocytes due to sirt1 functional inhibition

Ting-Jie Ye, Yan-Lin Lu, Xiao-Feng Yan, Xu-Dong Hu, Xiao-Ling Wang

Abstract

国内版 国际版

HMGB1 release from H2O2-injured hepatocytes due to sirt1 functional inhibit

All Images Videos 翻译成中文 关闭取词

18,000 Results Any time

HMGB1 release by H2O2-induced hepatocytes is regulated ...

www.nature.com › cell death discovery

Apr 10, 2017 · **HMGB1 release** induced by H 2 O 2 is calcium dependent. (a) The rate of cell injury was measured using a Cytotoxicity LDH Assay Kit.(b) The cells ...

Author: Pei Zhao, Tingjie Ye, Xiaofeng Yan, Xu... **Publish Year:** 2017
Author: Pei Zhao

High mobility group box 1 is a novel deacetylation target ...

www.ncbi.nlm.nih.gov › Journal List › HHS Author Manuscripts

High mobility group box 1 (**HMGB1**) undergoes acetylation, nuclear-to-cytoplasmic translocation and **release** from stressed kidneys, unleashing a signaling cascade of events leading to systemic inflammation. Here we tested whether the deacetylase activity of Sirtuin1 (**SIRT1**) participates in ...

Cited by: 55 **Author:** May M. Rabadi, Sandhya Xavier, Radovan...
Publish Year: 2015

Macrophage activation by factors released from ...

www.ncbi.nlm.nih.gov › Journal List › HHS Author Manuscripts

Jun 15, 2011 · The mechanisms underlying the ability of ethyl pyruvate to block **HMGB1 release** have not been established. In lung epithelial cells, ethyl pyruvate-mediated **inhibition** of **HMGB1 release** appears to be **due** to a switch from necrotic to apoptotic cell death (Lim et al., 2007). It remains to be determined if a similar mechanism is involved in the ...

Cited by: 74 **Author:** Ana-Cristina Dragomir, Jeffrey D. Laskin, ...
Publish Year: 2011

Ethyl pyruvate inhibits the acetylation and release of ...

https://www.sciencedirect.com/science/article/pii/S156757691630443X

In addition, **inhibition** of **HMGB1 release** by **SIRT1**-mediated **HMGB1** deacetylation has also been reported to protect non-alcoholic fatty liver disease in rats . These findings strongly suggest that **SIRT1** activation plays an important role in the deacetylation of **HMGB1** in various inflammatory disorders.

Cited by: 18 **Author:** Young Min Kim, Eun Jung Park, Jung Hw...
Publish Year: 2016

Inhibition of High Mobility Group Box 1–Toll-Like Receptor ...

https://www.researchgate.net/publication/295682379_**Inhibition**_of...

Inhibition of High Mobility Group Box 1–Toll-Like Receptor-4 Signaling by Glycyrrhizin Contributes to the Attenuation of Cold Ischemic Injury of Liver in a Rat Model ... **SIRT1**, **HMGB1**, autophagy ...

国内版 国际版

High mobility group box-1 release from H2O2-injured hepatocytes due to sirt1 fu

All Images Videos 翻译成中文 关闭取词

11,100 Results Any time

High mobility group box 1 is a novel deacetylation target ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4270955

High mobility group box 1 (HMGB1) undergoes acetylation, nuclear-to-cytoplasmic translocation and **release** from stressed kidneys, unleashing a signaling cascade of events leading to systemic inflammation. Here we tested whether the deacetylase activity of Sirtuin1 (**SIRT1**) participates in ...

Cited by: 66 **Author:** May M. Rabadi, Sandhya Xavier, Radova...
Publish Year: 2015

High-mobility group box 1 induces endoplasmic reticulum ...

https://www.nature.com/articles/s41374-018-0085-9

Jun 29, 2018 · We elucidated the mechanism by which the nuclear-damage-associated molecular pattern molecule, **high-mobility group** box 1 (HMGB1) was **released** from the impaired **hepatocytes** and induced endoplasmic ...

Cited by: 1 **Author:** Qin He, Yu Fu, Xiangming Ding, Dongxia...
Publish Year: 2018 **Author:** Qin He

High-mobility group box 1 is a novel deacetylation target ...

https://www.sciencedirect.com/science/article/pii/S0085253815300120

High-mobility group box 1 protein (HMGB1) is a ubiquitous 215-amino-acid nuclear protein that binds to DNA and promotes its bending, while maintaining genome stability, DNA processing, and repair, and controlling autophagy and autophagic clearance of defective mitochondria by regulating the transcription of heat-shock protein 27. 1 In addition to these intracellular homeostatic functions and ...

Cited by: 66 **Author:** May M. Rabadi, Sandhya Xavier, Radova...
Publish Year: 2015

(PDF) High-mobility group box 1 is a novel deacetylation ...

https://www.researchgate.net/publication/263237469_High-mobility_group_box_1_is_a...

PDF | **High-mobility group** box 1 (HMGB1) undergoes acetylation, nuclear-to-cytoplasmic translocation, and **release** from stressed kidneys, unleashing a signaling cascade of events leading to systemic ...

High-Mobility Group Box 1 Promotes Metalloproteinase-9 ...

https://www.ahajournals.org/doi/10.1161/strokeaha.110.590463

High-Mobility Group Box 1 Promotes Metalloproteinase-9 Upregulation Through Toll-Like Receptor 4 After Cerebral Ischemia ... HMGB1 has been shown to be **released** from neuronal cells, 10,18 **hepatocytes**, 29 and ... Fossati S, Bianchi ME, Patrone M, Pedrazzi M, Sparatore B, Moroni F, Chiarugi A. **High mobility group** box 1 protein is **released** by ...

See results for

Sirtuin 1 (Protein)

Sirtuin 1, also known as NAD-dependent deacetylase sirtuin-1, is a protein that in humans is encoded by the...