

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 48244

Manuscript Type: ORIGINAL ARTICLE

Basic Study

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

Ye TJ *et al.* H₂O₂-injured hepatocytes release HMGB1

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

Abstract

Match Overview

1	Internet 100 words crawled on 05-Nov-2016 www.mdpi.com	2%
2	Crossref 72 words Thomas D. Walko, Valentina Di Caro, Jon Piganelli, Timothy R. Billiar, Robert S. B. Clark, Rajesh K. Aneja. "Poly(ADP	1%
3	Crossref 52 words Linlin Su, Xiaodong Li, Xue Wu, Bo Hui, Shichao Han, Jianxin Gao, Yan Li, Jihong Shi, Huayu Zhu, Bin Zhao, Dahai	1%
4	Internet 42 words crawled on 29-May-2016 medicine.biu.ac.il	1%
5	Internet 33 words crawled on 03-Dec-2016 stemcellres.biomedcentral.com	1%
6	Crossref 32 words Chang, Binxia, Ming-Jiang Xu, Zhou Zhou, Yan Cai, Man Li, Wei Wang, Dechun Feng, Adeline Bertola, Hua Wang,	1%
7	Crossref 27 words Hu, Liyan, Khalid Ibrahim, Martin Stucki, Michele Frapolli, Noora Shahbeck, Farrukh A. Chaudhry, Boris Görg, Diете	1%
8	Internet 26 words crawled on 25-Nov-2017 link.springer.com	1%
9	Crossref 26 words Gerard Aragonès, Manuel Suárez, Andrea Ardid-Ruiz, Maria Vinaixa et al. "Dietary proanthocyanidins boost hepa	1%
10	Crossref 24 words U. Andersson, D. J. Antoine, K. J. Tracey. " Expression o f Concern: The functions of 1 depend on molecular loc...	<1%
11	Internet 21 words crawled on 02-Aug-2019 www.wjgnet.com	<1%
12	Internet 20 words crawled on 30-Apr-2016 spandidos-publications.com	<1%



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 H₂O₂ 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 ...



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...