

5
Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 47646

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Effect of NLRC5 on activation and reversion of hepatic stellate cell by regulating nuclear factor- κ B signaling pathway

Zhang YZ *et al.* NLRC5 function in activation and reversion of HSC

Yan-Zhen Zhang, Jian-Ning Yao, Lian-Feng Zhang, Chun-Feng Wang, Xue-Xiu Zhang, Bing Gao

Abstract

BACKGROUND

The formation of liver fibrosis is mainly caused by the activation of hepatic stellate cells, the imbalance of ECM production and degradation. The treatment of liver fibrosis mainly includes removing the cause, inhibiting the activation of hepatic stellate cell (HSC), and inhibiting inflammation. NOD-like receptor (NLR) family, caspase activation and recruitment domain (CARD) domain containing 5/NOD27/CLR16.1 (NLRC5) is a highly conserved member of NLRs and is involved in inflammation and immune responses by regulating various signaling pathways such as nuclear factor- κ B (NF- κ B). It has been found that NLRC5 plays an important role in liver fibrosis, but its specific effect and possible mechanism remains to be fully elucidated.

AIM

Match Overview

1	Crossref 28 words Ni, Ming-ming, Tao Xu, Ya-rui Wang, Ying-hua He, Qun Zhou, Cheng Huang, Xiao-ming Meng, and Jun Li. "Inhibition of IRF	1%
2	Crossref 26 words Tao Xu, Ming-ming Ni, Xing-Li, Xiao-feng Li, Xiao-ming Meng, Cheng Huang, Jun Li. "NLRC5 regulates TGF- β 1-induced p	1%
3	Crossref 21 words Peng, Yun-yun, Ying-hua He, Chen Chen, Tao Xu, Lin Li, Ming-ming Ni, Xiao-ming Meng, Cheng Huang, and Jun Li. "NLR	1%
4	Internet 14 words crawled on 09-Jan-2019 www.medsci.org	<1%
5	Internet 14 words crawled on 02-Apr-2019 f6publishing.blob.core.windows.net	<1%
6	Internet 13 words crawled on 19-Jan-2018 www.dovepress.com	<1%
7	Crossref 12 words Zhu, Dandan, Xue He, Yinong Duan, Jinling Chen, Jianxin Wang, Xiaolei Sun, Hongyan Qian, Jinrong Feng, Wei Sun, Feifa	<1%

找到约 168 条结果 (用时 0.68 秒)

Google 学术 : Effect of NLRC5 on activation and reversion of HSC by regulating NF-κB signaling pathway

... NLRC5 in progression and reversal of hepatic fibrosis - Liu - 被引用次数 : 10

Inhibitory effects of microRNA 19b in hepatic stellate ... - Lakner - 被引用次数 : 176

Cellular mechanisms of tissue fibrosis. 5. Novel ... - Mallat - 被引用次数 : 155

Role of NLRC5 in progression and reversal of hepatic fibrosis ...

https://www.researchgate.net/.../291423147_Role_of_NLRC5_in_progressio... - 翻译此页

2019年2月11日 - Request PDF on ResearchGate | Role of NLRC5 in progression and ... regulator of immune responses through negatively regulating NF-κB ... the reversal of hepatic fibrosis through NF-κB signaling pathway. ... We also demonstrated that NLRC5 promoted proliferation and activation of hepatic stellate cells ...

Yuting Wu's research works | Anhui Medical University, Hefei (AHMU ...

https://www.researchgate.net/scientific.../2072641996_Yuting_Wu - 翻译此页

Background: NLRC5, as the largest member of NLRs family, has recently been identified ... role in regulating the reversal of hepatic fibrosis through NF-κB signaling pathway. ... liver fibrosis via promoting activated stellate cell apoptosis and reversion ... Here, we investigated the inhibitory effect of SIRT1 in liver fibrogenesis.

NLRC5 promotes cell proliferation via regulating the NF-κB signaling ...

<https://www.ncbi.nlm.nih.gov/pubmed/28865311> - 翻译此页

作者 : YR Liu - 2017 - 被引用次数 : 4 - 相关文章

2017年8月31日 - NLRC5 promotes cell proliferation via regulating the NF-κB signaling ... of NLRC5 also coordinated the activation of NF-κB signaling pathway. ... Adjuvant/pharmacology; Gene Expression Regulation/drug effects; Gene ...

缺少字词 : reversion HSC

Transient inhibition of NF-κB signaling enhances ex vivo propagation ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6119158/> - 翻译此页

作者 : MS Talkhonchek - 2018 - 相关文章

2018年6月7日 - We found a distinct peak of activation of the NF-κB pathway shortly after cells ... Hematopoietic stem cell self-renewal is regulated by a combination of ... NF-κB signaling leads to a vement in HSC function from ex vivo ... The effect of NF-κB pathway inhibition was

[全部](#)[图片](#)[新闻](#)[购物](#)[地图](#)[更多](#)[设置](#)[工具](#)

找到约 195 条结果 (用时 0.72 秒)

Google 学术: Effect of NLRC5 on activation and reversion of hepatic stellate cell by regulating nuclear factor- κ B signaling pathway

Molecular targeted therapies in hepatocellular ... - Llovet - 被引用次数: 1014

... by high fat diet in mice through activating TLR4/NF- κ B - Ma - 被引用次数: 8

Role of NLRC5 in progression and reversal of hepatic fibrosis. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/26806094> - 翻译此页

作者: X Liu - 2016 - 被引用次数: 11 - 相关文章

2016年1月22日 - However, the expression and potential roles of **NLRC5** in hepatic fibrosis and its ... in hepatic tissues and **hepatic stellate cells** during hepatic fibrosis and its reversal. ... the reversal of hepatic fibrosis through **NF- κ B signaling pathway**. ... **NLRC5** protein, mouse; RNA, Small Interfering; **Transcription Factor** ...

缺少字词: Effect activation reversion

[Regulation of hepatic stellate cell activation by interleukin-10/platelet ...

<https://www.ncbi.nlm.nih.gov/pubmed/15670489> - 翻译此页

作者: T Li - 2005 - 被引用次数: 3 - 相关文章

[**Regulation** of **hepatic stellate cell activation** by interleukin-10/platelet derived growth **factor**/mitogen-**activated** protein kinase **pathway**]. ... **regulatory effect** of interleukin-10 (IL10) on the **activation** of **hepatic stellate cells** (HSC) through platelet derived ... Platelet-Derived Growth **Factor**/biosynthesis*; Rats; **Signal** Transduction ...

缺少字词: NLRC5 reversion nuclear κ B

Yuting Wu's research works | Anhui Medical University, Hefei (AHMU ...

<https://www.researchgate.net/scientific> /2072641996 Yuting Wu - 翻译此页

[全部](#)[图片](#)[新闻](#)[购物](#)[视频](#)[更多](#)[设置](#)[工具](#)

找到约 5,980 条结果 (用时 0.46 秒)

小提示: 仅限搜索简体中文结果。您可以在设置中指定搜索语言

Resveratrol Regulates Activated Hepatic Stellate Cells by Modulating ...

<https://www.ncbi.nlm.nih.gov/pubmed/26613251> - 翻译此页

作者: DQ Zhang - 2016 - 被引用次数: 16 - 相关文章

2015年11月27日 - The immortalized rat **hepatic stellate cells**, t-HSC/CI-6, were treated with resveratrol ... blocked the translocation of **nuclear factor (NF)-κB** in LPS-**activated** HSCs. ... antifibrotic **effect** of resveratrol is the result of blocking NF-κB **activation** and ... Rats; Resveratrol; **Signal** Transduction; Stilbenes/pharmacology* ...

缺少字词: NLRC5 reversion

Liver Injury and the Activation of the Hepatic Myofibroblasts - NCBI

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3748972/> ▼ 翻译此页

作者: JX Jiang - 2013 - 被引用次数: 25 - 相关文章

2013年9月1日 - **Activated hepatic stellate cells** or myofibroblasts and portal ... (JNK), apoptosis **signal-regulating** kinase 1 (ASK1) and the **transcription** factor ... The paracrine **effects** of the dying cells and the fate of apoptotic cells deserves p38, interferon **regulatory** factor 3 and **nuclear factor-κB** **pathway** NF-κB (87, 88) ...

缺少字词: NLRC5 reversion

Yuting Wu's research works | Anhui Medical University, Hefei (AHMU ...

https://www.researchgate.net/scientific.../2072641996_Yuting_Wu - 翻译此页

... by DNMT3a Enhances **Hepatic Stellate Cells Activation** and Liver Fibrogenesis. ... through promoting **activated** HSCs apoptosis and this anti-fibrogenesis **effect** might ... in **regulating** the reversal of hepatic fibrosis through NF-κB **signaling pathway**. ... liver fibrosis via promoting **activated** stellate cell apoptosis and **reversion**.

Hop bitter acids exhibit anti-fibrogenic effects on hepatic stellate cells ...

https://www.researchgate.net/.../51857483_Hop_bitter_acids_exhibit_anti-fi... - 翻译此页

Hop bitter acids could suppress the **activation** of **nuclear factor-κB** (NF-κB) in liver Wedelolactone exhibits anti-fibrotic **effects** on human **hepatic stellate cell** line LX-2 Catalyzes Three Sequential Aromatic Prenylations in the Bitter Acid **Pathway** **NLRC5 regulates** TGF-β1-induced proliferation and **activation** of hepatic ...