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Basic Study

Overexpression of pim-3 and its protective role in LPS-stimulated rat HSCs

Lin-Hua Liu, Qi-Nan Lai, Jian-Yong Chen, Ji-Xiang Zhang, Bing Chen

### Abstract

**AIM:** To investigate pim-3 expression in hepatic stellate cells (HSCs) stimulated by lipopolysaccharide (LPS), and its protective effect on HSCs.

**METHODS:** Rat HSC-T6 cells were stimulated by LPS. The effect of LPS on proliferation and apoptosis of HSC-T6 cells was investigated by MTT assay and flow cytometry after Annexin V-fluorescein isothiocyanate/propidium iodide double staining. Pim-3 mRNA and protein were detected by reverse

### Match Overview

1	CrossCheck 56 words Liu, D.. "Pim-3 protects against cardiomyocyte apoptosis in anoxia/reoxygenation injury via p38-mediated signal ..."	1%
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2015年5月3日 - The **protection** role of LXA4 against hypoxia/reoxygenation injury of cardiomyocytes .... of MAPK in **rat** kidney epithelial **cells**. **overexpression** of mitogen-activated ... Results show that pioglitazone can inhibit **LPS-stimulated** microglia ... the proto-oncogene **Pim-3**; in addition, it up-regulates **Pim-3** expression ...

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Moreover, **roles** vital to systemic homeostasis include **their** storage and mobilization ...

Primary **rat hepatic stellate cells** cultured for 7 days on either uncoated plastic (left ... III

Origin and Cytoskeletal Phenotype of Stellate Cells ..... to interact with bacterial

**lipopolysaccharide (LPS)**, which in turn **stimulates** stellate cells (76).

### Cellular and molecular functions of hepatic stellate cells in ...

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**Hepatic stellate cells** (HSCs) have been primarily characterized as the main effector cells .... When **rats** are treated with high concentrations of Vit A for 3-7 days, the .... The **stimulation** of cultured HSC with **LPS** results in a forty times elevated ... It is increasingly recognized by hepatologists because (I) **its overexpression** was ....

### Role of Kupffer cells in the pathogenesis of liver disease

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**Their role** in fibrosis is well established as they are one of the main sources of TGFβ1 ...



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### Hepatic Stellate Cells: Protean, Multifunctional, and ...

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An important functional **role** of stellate cells in liver repair emerged from the seminal ... With the explosive growth in studies of **hepatic stellate cells**, confusion arose because of **its** many different ... Primary **rat hepatic stellate cells** cultured for 7 days on either uncoated ... **III**. Origin and Cytoskeletal Phenotype of Stellate Cells ...

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作者：S Roy - 2015

**Hepatic stellate cells** (HSCs) represent the main source of ECM-production in the .... Consistent with **its** negative regulatory **role** in inflammation, mice deficient in ... Besides miR-27, **overexpression** of miR-335 inhibited **rat** HSC migration and ... down-regulation of miR-29 in **LPS-stimulated** HSC and primary hepatocytes, ...

### Role of Kupffer cells in the pathogenesis of liver disease

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**Its role** in the pathogenesis of **hepatic** injury is controversial. ... It has been suggested that the hepato-**protective** activity of adiponectin is due, ... Administration of endotoxin