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[Role of Nrf2 in Oxidative Stress and Toxicity](#)

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This review discusses the impact of Nrf2 on oxidative stress and toxicity and how ... antioxidant biological effects, leading to the discovery of the Nrf2-Keap1 ... activation of Nrf2 through ROS-p38 axis-dependent TLR4/MyD88 signaling (90) ... a major factor in the development of alcohol-induced liver disease (AILD) (129).

[Role of the Nrf2-ARE Pathway in Liver Diseases](#)

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12 Apr 2013 ... It is well documented that liver diseases including hepatitis, fibrosis, cirrhosis, and ... an array of detoxifying and antioxidant defense genes expression in the liver. ... viral hepatitis, alcoholic and nonalcoholic liver disease, fibrosis, and cancer ... Figure 1: The protective role of Nrf2 activation in liver disease.

[Molecular Mechanisms Activating the Nrf2-Keap1 Pathway of ...](#)

[online.liebertpub.com/doi/abs/10.1089/ars.2005.7.385](http://online.liebertpub.com/doi/abs/10.1089/ars.2005.7.385)

This review article recounts recent knowledge of the Nrf2-Keap1 system, focusing ... Activity of Antioxidant Systems to Provide Neuroprotection in Hippocampal HT22 Cells ... Rg1 in a rat model of alcohol- and CCl4-induced hepatic fibrosis ... TSGH-S3 cells: The role of IL-6 signaling and Nrf2/AKR1C axis identification.

**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 31315

**Manuscript Type:** ORIGINAL ARTICLE

*Basic Study*

**Antioxidant axis Nrf2--keap1--ARE in inhibition of alcoholic liver fibrosis by IL-22**

Ya-Hui Ni, Li-Juan Huo, Ting-Ting Li

**Abstract**

*AIM*

To explore the effect of interleukin (IL)-22 on *in-vitro* model of ALF hepatic stellate cells (HSCs), and whether this is related to regulation of Nrf2--keap1--ARE.

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