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Basic study

MiR-194 inactivates hepatic stellate cells and alleviates liver fibrosis by inhibiting AKT2

Jun-Cheng Wu, Rong Chen, Xin Luo, Zheng-Hong Li, Sheng-Zheng Luo, Ming-Yi Xu

Abstract

BACKGROUND

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Role of hepatic stellate cells in fibrogenesis and the ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1440-1746.2006.04658.x>

Liver fibrosis is caused by many chronic diseases. Liver injury results in activation of collagen-producing cells and excessive deposition of extracellular matrix proteins. This

Cited by: 256

Author: Tatiana Kisseleva, David A Brenner

Publish Year: 2007

Liver fibrosis causes downregulation of miRNA-150 and ...

https://www.researchgate.net/publication/38070434_Liver_fibrosis_causes_downregulation...

Mir-150 and mir-194 were found to be reduced in liver fibrosis and inhibited hepatic stellate cell activation.

Pathogenesis of alcoholic liver disease: Role of oxidative ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4273126>

Dec 21, 2014 · Keywords: Alcohol metabolism, Acetaldehyde, Reactive oxygen species, Alcoholic liver disease, Protein adducts, Hepatic stellate cells, Liver fibrosis, CYP2E1 Core tip: The goal of this article is to review the mechanisms of alcohol-mediated toxicity in parenchymal and non-parenchymal cells of the liver.

Cited by: 148

Author: Elisabetta Ceni, Tommaso Mello, Andrea ...

Publish Year: 2014

FOXO transcription factors at the interface of metabolism ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/jic.30840>

Jun 19, 2017 · Finally, mutations in the AKT2 isoform can cause severe insulin resistance in humans, 18 and mice deficient for Akt2, but not Akt1 or Akt3, ... (NASH), a common result of obesity and insulin resistance. In contrast, FOXO1 protects from liver fibrosis, ... by reducing proliferation and trans-differentiation of hepatic stellate cells, ...

Cited by: 15

Author: Wolfgang Link, Pablo J. Fernandez-Marcos

Publish Year: 2017

Endocannabinoid System in Hepatic Glucose Metabolism ...

<https://www.mdpi.com/1422-0067/20/10/2516/htm> ▾

There is growing evidence that glucose metabolism in the liver is in part under the control of the endocannabinoid system (ECS) which is also supported by its presence in this organ. The ECS consists of its cannabinoid receptors (CBRs) and enzymes that are responsible for endocannabinoid production and metabolism. ECS is known to be differentially influenced by the hepatic glucose metabolism ...

Author: Ivonne Bazwinsky-Wutschke, Alexand...

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Liver fibrosis causes downregulation of miRNA-150 and ...

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Salvianolic acid B lowers portal pressure in cirrhotic ...

<https://www.nature.com/articles/labinvest2012113>

Sep 17, 2012 · Salvianolic acid B lowers portal pressure in cirrhotic rats and attenuates contraction of rat hepatic stellate cells by inhibiting RhoA signaling pathway ... liver fibrosis. In the present study ...

Cited by: 19

Author: Hong Xu, Yang Zhou, Chao Lu, Jian Ping...

Publish Year: 2012 Author: Hong Xu

Role of hepatic stellate cells in fibrogenesis and the ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1440-1746.2006.04658.x>

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