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Abnormal CD44 Activation of Hepatocytes with Nonalcoholic Fatty Accumula



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www.ncbi.nlm.nih.gov › ... › v.23(2); 2017 Jan 14

Jan 14, 2017 · Lipid **accumulation** model. The **rats** in the **fatty** liver group were fed with high **fat** diet (HF; 10% lard, 10% yolk, 4% **cholesterol**, 1% **cholic** acid, and 75% normal diet)[24,25]. The **rats** in the inducing cancer groups were fed with HF diet containing 0.05% 2 ...

Cited by: 2

Author: Juan-Juan Gu, Min Yao, Jie Yang, Yin Cai...

Publish Year: 2017

Oxidative Stress and Oval Cell Accumulation in Mice and ...

www.ncbi.nlm.nih.gov › ... › Am J Pathol › v.163(4); 2003 Oct

Animal data indicate that **oval cells** are **activated** when **oxidative** stress inhibits the regenerative capacity of more mature **hepatocytes**. **Oxidative** stress is thought to play a major role in the **pathogenesis** of both **alcoholic** and **nonalcoholic fatty** liver disease (NAFLD).

Cited by: 346

Author: Tania Roskams, Shi Qi Yang, Aymen Kot...

Publish Year: 2003

Nonalcoholic fatty liver disease | Nature Reviews Disease ...

www.nature.com › [nature reviews disease primers](#)

Dec 17, 2015 · Nonalcoholic **fatty** liver disease (NAFLD) is a disorder characterized by excess **accumulation** of fat in **hepatocytes** (nonalcoholic **fatty** liver ...

Cited by: 142

Author: Elizabeth M. Brunt, Vincent W.S. Wong, ...

Publish Year: 2015

Novel Mechanism of Nonalcoholic Lipid Accumulation ...

<https://www.intechopen.com/books/neoplasm/novel-mechanism-of...> ▼

The dynamic alterations of hepatic CPT-II expression in the mitochondrial inner membrane were investigated during the malignant transformation of **hepatocytes** induced by **abnormal fatty accumulation**. After the male Sprague-Dawley (SD) rats were fed with control, high fat (HF), and HF containing 2-fluorenylaceta-mide (2-FAA) diet, respectively.

Author: Min Yao, Wenjie Zheng, Li Wang, Mia...

Publish Year: 2018

Nonalcoholic steatohepatitis induced by a high-fat diet ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/ijc.23995>

Activation of the ERK pathway is frequently linked to cell proliferation and may be a key signaling pathway involved in the regulation of G1 phase progression in proliferating **hepatocytes**. 8 The association between sustained JNK **activation** and increased rates of cell apoptosis is well established. 9 Although many studies have shown that p38 is ...

8

Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 48265

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Abnormal CD44 activation of hepatocytes with nonalcoholic fatty
accumulation in rat hepatocarcinogenesis

Fang M *et al.* CD44 in nonalcoholic fatty liver disease

Abstract

BACKGROUND

Prevalence of nonalcoholic fatty liver disease (NAFLD) is rapidly increasing and

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[Mitochondrial carnitine palmitoyl transferase-II ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5236505>

Jan 14, 2017 · The **abnormality** of mitochondrial **CPT-II** expression was progressively decreased in **hepatocarcinogenesis**, which might lead to **abnormal hepatic lipid accumulation** that should promote the malignant transformation of **hepatocytes**, and CPT-II should be an early useful marker for monitoring **malignant transformation of rat hepatocytes**.

Cited by: 2

Author: Juan-Juan Gu, Min Yao, Jie Yang, Yin Ca...

Publish Year: 2017

[Choline Metabolism Provides Novel Insights into Non ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3601486>

Choline is an essential nutrient and the liver is a central organ responsible for choline metabolism. Hepatosteator and liver cell death occur when humans are deprived of choline. In the last few years there have been significant advances in our understanding of the mechanisms that influence ...

Cited by: 204

Author: Karen D. Corbin, Steven H. Zeisel

Publish Year: 2012

[β-ionone inhibits nonalcoholic fatty liver disease and its ...](#)

<https://www.sciencedirect.com/science/article/pii/S0009279719303047>

β-ionone inhibits nonalcoholic **fatty** liver disease and its association with **hepatocarcinogenesis** in male Wistar rats ... Lipid **accumulation** in the **hepatocytes** is associated with increased lipotoxicity ... which is well established in the literature for its ability to synchronize the stages of **rat hepatocarcinogenesis**, inducing a high incidence ...

Author: Mayara Lilian Paulino Miranda, Kelly ...

Publish Year: 2019