



Folic acid attenuates high-fat diet-induced steatohepatitis via deacetylase SIRT1-d ✕

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**Folic acid** supplementation **attenuates high fat diet induced** hepatic oxidative stress via regulation of NADPH oxidase. Sarna LK(1), Wu N, Wang P, Hwang SY, ...

Missing: **steatohepatitis deacetylase SIRT1- dependent restoration PPAR $\alpha$**

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Feb 17, 2012 - Thus, fat accumulation in the liver is an important factor for the development ... cells, is a NAD<sup>+</sup>-**dependent** histone/protein **deacetylase** that is activated in ... on fatty liver could be mediated **via Sirt1 in high-fat (HF) diet-induced** obese ... The mice were allowed access to their specific **diet and** water ad libitum.

Missing: **Folic restoration**

[www.researchgate.net](http://www.researchgate.net) [publication](#) [6334329](#) The expression of SIRT

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

**Manuscript NO:** 53842

**Manuscript Type:** ORIGINAL ARTICLE

### *Basic Study*

**Folic acid attenuates high-fat diet-induced steatohepatitis *via* deacetylase  
SIRT1-dependent restoration of PPAR $\alpha$**

Xin FZ *et al.* Folic acid attenuates HFD-induced NASH

Feng-Zhi Xin, Ze-Hua Zhao, Rui-Nan Zhang, Qin Pan, Zi-Zhen Gong, Chao  
Sun, Jian-Gao Fan

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Author: Sarna Lk, Wu N, Wang P, Hwang Sy, Siow...

Publish Year: 2012

The objective of the present study was to investigate whether folic acid supplementation ameliorates high-fat diet induced oxidative stress in the liver, and to identify the underlying mechanisms. Male C57BL/6J mice were fed a control diet, a high-fat diet, or a high-fat diet supplemented with folic acid for 12 weeks.

<https://www.ncbi.nlm.nih.gov/pubmed/22309437>

## Lycium barbarum polysaccharide attenuates high-fat ... [翻译此页](#)

Cited by: 15

Author: Li Jia, Wang Li, Jianning Li, Yan Li, Hui So...

Publish Year: 2016

位置: 8600 Rockville Pike, Bethesda, MD

Lycium barbarum polysaccharide attenuates high-fat diet-induced hepatic steatosis by up-regulating SIRT1 expression and deacetylase activity. *Sci. Rep.* 6, 36209; doi: 10.1038/srep36209 (2016).

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5099939>