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Basic Study

Procyanidin B2 protects against diet-induced obesity and non-alcoholic fatty liver disease via the modulation of the gut microbiota in rabbits

Xing YW *et al.* Mechanism of PB2 in NAFLD

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Abstract

BACKGROUND

Procyanidins have beneficial effects on metabolic syndrome and antimicrobial activity, but the mechanisms underlying these effects are unclear.

AIM

To investigate the effects of procyanidin B2 (PB2) on non-alcoholic fatty liver disease (NAFLD), and to explore the possible mechanism.

METHODS

Thirty male New Zealand white rabbits were randomized into three groups. All of them fed either a high-fat-cholesterol diet (HCD) or chow diet. HCD-fed rabbits were

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The Role of the Gut Microbiome in Nonalcoholic Fatty Liver Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6024579/> - 翻译此页

作者: S Roychowdhury - 2018 - 被引用次数: 3

2018年6月5日 - **Nonalcoholic fatty liver disease** (NAFLD) is the leading cause of chronic Mice deficient in CYP2E1 are **protected from** HFD-induced insulin resistance, Demonstrating a protective role for RIP3 during **diet-induced obesity** and insulin Additionally, **modulation** of the **gut microbiota** was noted with a ...

Non-alcoholic fatty liver disease, diet and gut microbiota - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4464355/> - 翻译此页

作者: C Finelli - 2014 - 被引用次数: 18 - 相关文章

Non-alcoholic fatty liver disease (NAFLD) is a severe liver disease that is ... to the gut **through** bile and the entero hepatic circulation, and to regulate numerous hormonal Postsurgical **modulation** of **gut microbiota** may significantly contribute to the of **intestinal microbiota** does not **protect** mice **from diet- induced obesity**.

Protective effect of quercetin on high-fat diet-induced non-alcoholic ...

https://www.researchgate.net/.../310834849_Protective_effect_of_quercetin_... - 翻译此页

2018年7月31日 - PDF | **Gut microbiota** is involved in **obesity**, metabolic syndrome and the progression of **nonalcoholic fatty liver disease** (NAFLD). ... reducing the intrahepatic lipid accumulation **through** its ability to **modulate** lipid metabolism gene expression scribed [5], **using rabbit** polyclonal antibodies **against** fatty acid.

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Modulation of the gut microbiota impacts nonalcoholic fatty liver disease

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作者: AWF Janssen - 2017 - 被引用次数: 23 - 相关文章

2017年5月22日 - **Modulation** of the **gut microbiota** impacts **nonalcoholic fatty liver disease**: a ... the **gut bacteria** in NAFLD by stimulating the **gut bacteria via** feeding mice the ... with reduced **diet-induced obesity** and improved glucose tolerance.

Gut microbiota and non-alcoholic fatty liver disease. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/26663004> ▾ 翻译此页

作者: P Gkolfakis - 2015 - 被引用次数: 33 - 相关文章

BACKGROUND: **Non-alcoholic fatty liver disease** (NAFLD) is a common disorder with ... and **obesity**, while the bacterium *akkermanshia muciphila* **protects against** ... **induce gut microbiota** and host interactions, facilitating disease development. ... is evidence that **gut microbiota** participates in NAFLD development **through**, ...

Protective effect of quercetin on high-fat diet-induced non-alcoholic ...

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2018年7月31日 - **Protective** effect of quercetin on high-fat **diet-induced non-alcoholic fatty liver disease** in ... HFD induced **obesity**, metabolic syndrome and the development of hepatic liver disease in mice is mediated by **modulating intestinal microbiota** scribed [5], **using rabbit** polyclonal antibodies **against** fatty acid.

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Nassir, F.; Ibdah, J. Role of Mitochondria in **Nonalcoholic Fatty Liver Disease**. Tostes, R.C. TNF- α induces vascular insulin resistance **via** positive **modulation** of Derived Polyphenols **Protect** Mice **from Diet-Induced Obesity** and Fatty Liver by profile in omnivores than in vegetarians associates with the **gut microbiota** ...

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Modulation of the gut microbiota impacts nonalcoholic fatty liver disease

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作者: AWF Janssen - 2017 - 被引用次数: 23 - 相关文章

2017年5月22日 - Modulation of the gut microbiota impacts nonalcoholic fatty liver disease: a ... the gut bacteria in NAFLD by stimulating the gut bacteria via feeding mice the ... with reduced diet-induced obesity and improved glucose tolerance.

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作者: H Liu - 2018

2018年9月13日 - However, the relationship between the gut microbiota regulation effect of ... [6,7], such as non-alcoholic fatty liver disease (NAFLD) [8,9,10] and liver ... and is negatively associated with certain diseases like obesity, diabetes, Astaxanthin Protects Mice from High-Fat Diet and Ethanol-Induced Liver Lesions.

Protective effect of quercetin on high-fat diet-induced non-alcoholic ...

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