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Free Fatty acids receptors (FFAR2 and FFAR3) control cell proli

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Free fatty acid receptors: emerging targets for treatment ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3474614

FFAR2 (GPR43) One of a cluster of FA **receptor** genes located at chromosome 19q13.1, **FFAR2** is preferentially activated by propionate and is coupled to both Gα i/o and Gα q/11.**FFAR2** is highly expressed in leucocytes, and may have a role in the differentiation and activation of monocytes and polymorphonuclear **cells**.

Cited by: 57 **Author:** Venkat Vangaveti, Venkatesh Shashidhar...

Publish Year: 2010

Role of Free Fatty Acid Receptor (FFAR3) in Growth and ...

https://scialert.net/fulltext/?doi=ijcr.2019.17.22

Role of **Free Fatty** Acid **Receptor** (**FFAR3**) ... Functional analysis of these **cells** revealed no significant difference in the growth and **proliferation**. Also, **cellular glucose uptake** was not altered in these **cells**. cAMP level in the engineered **cell** line was measured and was found to be unaltered. ... **Cell proliferation** rates of **control and FFAR3** ...

Free Fatty Acid Receptors in Health and Disease ...

https://www.physiology.org/doi/abs/10.1152/physrev.00041.2018

Fatty acids are metabolized and synthesized as energy substrates during biological responses. Long- and medium-chain **fatty acids** derived mainly from dietary triglycerides, and short-chain **fatty acids** (SCFAs) produced by gut microbial fermentation of the otherwise indigestible dietary fiber, constitute the major sources of **free fatty acids** (FFAs) in the metabolic network.

Cited by: 2 **Author:** Ikuo Kimura, Atsuhiko Ichimura, Ryuji Oh...

Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 53378

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Free fatty acids receptors 2 and 3 control cell proliferation by regulating cellular glucose uptake

Saeed Al Mahri, Amal Al Ghamdi, Maaged Akiel, Monira Al Aujan, Sameer Mohammad, Mohammad Azhar Aziz

Abstract

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Free Fatty Acids Block Glucose-Induced β-Cell ... 翻译此页

Cited by: 71 Author: Jordan Pascoe, Douglas Hollern, Rachel …
Publish Year: 2012 位置: 8600 Rockville Pike, Bethesda, MD

2012-2-13 · Free fatty acids (FFAs) exert toxic effects on β-cell survival and function and are predictive of progression to type 2 diabetes independently of insulin-mediated glucose uptake (11–16). Although it has been postulated that FFAs might stimulate β-cell proliferation in the context of obesity (16), other proliferation drivers, such as ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3282818

Role of Free Fatty Acid Receptor (FFAR3) in Growth ... 翻译此页

Background and Objective: Short chain free fatty acids (SCFAs) like butyrate, propionate and acetate are produced by microbiota in the gut. SCFAs have been shown to exert their metabolic effects through their cognate receptors (FFAR2 and FFAR3). These receptors are abundantly expressed in colonic epithelium and several studies have shown that these receptors play an important role in the ...

https://scialert.net/fulltext/?doi=ijcr.2019.17.22

(PDF) Role of Free Fatty Acid Receptor (FFAR3) in ... 翻译此页

Role of Free Fatty Acid Receptor (FFAR3) in Growth and Proliferation of Colorectal Cancer Cell Line Article (PDF Available) in International Journal of Cancer Research 15(1):17-22 · January 2019 ...

https://www.researchgate.net/publication/331300255_Role_of_**Free_Fatty**_Acid_Receptor...

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Free fatty acid receptors: emerging targets for treatment ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3474614

The role of **free fatty acids** (**FFAs**) in **glycaemic regulation** and **type 2 diabetes pathogenesis** is well established [Bergman and Ader, 2000], but the recent identification of a family of **G protein-coupled receptors** (GPRs) whose natural ligands are **fatty** [Stoddart et al.

Cited by: 59 **Author:** Venkat Vangaveti, Venkatesh Shashidhar,…

Publish Year: 2010

Free Fatty Acids Block Glucose-Induced β-Cell ...

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3282818

Feb 13, 2012 · **Free fatty acids** (**FFAs**) exert toxic effects on **β-cell** survival and function and are predictive of progression to type **2 diabetes** independently of insulin-mediated glucose uptake (11–16). Although it has been postulated that FFAs might stimulate **β-cell proliferation** in the context of obesity (16), other **proliferation** drivers, such as insulin resistance and hyperinsulinemia, are also present.

Cited by: 71 **Author:** Jordan Pascoe, Douglas Hollern, Rachel …

Publish Year: 2012

Images of Free Fatty Acids Receptors 2 And 3 Control Cell Pro...

bing.com/images