

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 42009

Manuscript Type: ORIGINAL ARTICLE

Basic Study

Glucocorticoid receptor regulates expression of microRNA-22 and downstream signal pathway in apoptosis of pancreatic acinar cells

Fu Q *et al.* GR regulates expression of miR-22

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Abstract

AIM

To elucidate the underlying mechanism that microRNA-22 (miR-22) promotes the apoptosis of rat pancreatic acinar cells (AR42J) and the elements that regulate the expression of miR-22.

METHODS

One hundred nanomoles per liter caerulein (Cae) was administrated to induce the apoptosis of AR42J cells and the apoptosis rate was detected with flow cytometry analysis. An amylase assay kit was used to measure the amylase expression level in the supernatant. Quantitative real-time PCR (qRT-PCR) was

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缺少字词: mir 22 pathway ar42j

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作者: A Jovicic - 2013 - 被引用次数: 84 - [相关文章](#)

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缺少字词: glucocorticoid receptor regulates downstream ar42j

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2013年8月2日 - We conclude that aberrant expression of miR-92b can result in proliferation ... The EpCAM⁺ cells were sorted out from unfractionated fetal liver cells and And 22 genes of which that relative fold changes less than 0.5 were signaling pathway, which regulate differentiation and pluripotency in stem cells.

Crosstalk in Inflammation: The Interplay of Glucocorticoid Receptor ...

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作者: IME Beck - 2009 - 被引用次数: 230 - [相关文章](#)

2009年12月1日 - These activation pathways rely on a signaling cascade of p65 can enhance gene expression of multiple proinflammatory genes via the ... and the microRNA miR-146 ultimately results in

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缺少字词: microrna 22 apoptosis

Role of MicroRNA in Pancreatic β -Cells - NCBI - NIH

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作者: MD Walker - 2008 - 被引用次数: 28 - [相关文章](#)

(9) identified several miRNAs expressed selectively in pancreatic endocrine cell ... In accord with the known actions of the PI3K signaling pathway, miR-375 led to ... and a critical β -cell signaling pathway, linked to cell proliferation and apoptosis. ... Stoffel M: A pancreatic islet-specific microRNA regulates insulin secretion.

缺少字词: glucocorticoid receptor acinar

Glucocorticoid signalling affects pancreatic development through both ...

<https://www.ncbi.nlm.nih.gov/pubmed/17001468> - [翻译此页](#)

作者: E Gesina - 2006 - 被引用次数: 48 - [相关文章](#)

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2010年9月16日 - Keywords: Apoptosis, Lymphocyte, MicroRNA, Signal Transduction, Steroid ... For example, hsa-miR-15 and -16 are strongly down-regulated in ... antagonism of T-cell receptor activation-induced apoptosis during thymocyte selection (9). ... processors Drosha and DGCR8/Pasha during apoptosis (19,-22).

缺少字词: downstream pancreatic acinar

Mir29a microRNA 29a [(Norway rat)] - NCBI

<https://www.ncbi.nlm.nih.gov/gene/100314230> - 翻译此页

2018年9月30日 - miRNAs are transcribed by RNA polymerase II as part of capped ... homolog 1 signalling pathway; Results showed that the expression ... regulators of norepinephrine transporter and glucocorticoid receptor ... apoptosis of pancreatic acinar cells via up-regulating the expression of its target gene TNFRSF1A.

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缺少字词: microma 22 apoptosis

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