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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

Qiang Fu, ¹Chuan-Jiang Liu, Xu Zhang, Zhen-Sheng Zhai, Yu-Zhu Wang, Ming-Xing Hu, Xian-Ling Xu, Hong-Wei Zhang, Tao Qin

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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缺少字词: microrna 22 apoptosis

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缺少字词: glucocorticoid receptor acinar

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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).

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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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