

综述

MicroRNA-29与纤维化疾病

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摘要:

小分子RNA(microRNA, miRNA, miR)是一类由21~23个核苷酸构成的功能性非编码小分子RNA。microRNA-29(miR-29)是新近发现的一类与纤维化疾病密切相关的小分子RNA家族,研究发现miR-29可通过直接抑制多种细胞外基质蛋白表达和调控多种与纤维化相关的信号通路参与纤维化过程,并且循环中miR-29的水平还可反映肝病患者肝硬化的严重程度。

关键词: 小分子RNA-29 纤维化疾病 细胞外基质

MicroRNA-29 and fibrosis diseases

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Abstract:

MicroRNAs (miRNAs, miR) are small, noncoding RNAs with 21-23 nucleotides. MicroRNA-29 (miR-29), a newly discovered miRNAs, is closely related with fibrosis diseases. MiR-29 directly suppresses the expression of a variety of extracellular matrix components and regulates signaling pathways associated with fibrosis. The serum level of miR-29 in patients with liver disease is consistent with the degree of liver cirrhosis.

Keywords: microRNA-29 fibrosis diseases extracellular matrix

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