

miR-590在恶性肿瘤中的研究进展

《现代肿瘤医学》[ISSN:1672-4992/CN:61-1415/R] 期数: 2019年20期 页码: 3702-3705 栏目: 综述 出版日期: 2019-09-08

Title: Research progress of miR-590 in malignant tumor

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关键词: 微小RNA; miR-590; 肿瘤; 治疗靶点

Keywords: microRNA; miR-590; tumor; therapeutic target

分类号: R730

DOI: 10.3969/j.issn.1672-4992.2019.20.035

文献标识码: A

摘要: 微小RNA (microRNA, miRNA, miR) 是一类小的单链非编码RNA, 长度为18~25个核苷酸, 通过与mRNA的3' 非翻译区 (3' untranslated region, 3' UTR) 中不完全匹配的序列来沉默基因表达, 具有高度保守的序列。越来越多的研究已经在各种类型的恶性肿瘤中观察到miRNA, 并且发现miRNA参与调节癌细胞行为, 包括细胞增殖、凋亡、迁移和侵袭。miR-590的表达和功能在不同类型的肿瘤中并不相同, 其表达的失调与恶性肿瘤的发生发展、治疗及预后密切相关。本文就miR-590在各种恶性肿瘤中的最新研究进展作一综述。

Abstract: MicroRNAs (miRNAs, miRs) are small, single-stranded, non-coding RNAs that are 18-25 nucleotides in length and silenced by sequences that do not exactly match the 3' untranslated region (3' UTR) of mRNA, with highly conserved sequences. A growing body of research has observed miRNAs in various types of malignancies and found that miRNAs are involved in the regulation of cancer cell behavior, including cell proliferation, apoptosis, migration and invasion. The expression and function of miR-590 are not the same in different types of tumors, and the dysregulation of expression is closely related to the occurrence, development, treatment and prognosis of malignant tumor. This article reviews the recent progresses on miR-590 in various malignancies.

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备注/Memo: National Natural Science Foundation of China(No.81760554, 81460356) ; 国家自然科学基金资助项目(编号: 81760554, 81460356)

更新日期/Last Update: 1900-01-01