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综述

MicroRNAs与非可控性炎症相关肿瘤

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摘要： 非可控性炎症与肿瘤之间存在密切的联系,约25%的人类肿瘤是由于非可控性炎症所引起,在几乎所有的肿瘤微环境中存在炎症细胞浸润,炎症细胞及分子影响着肿瘤发生、发展的每一步。MicroRNAs (miRNAs) 通过调控一些关键基因及其信号通路,参与了非可控性炎症相关肿瘤起始和进展过程的调控。深入研究miRNAs作用的分子机制,可能为肿瘤的预防、早期诊断及治疗提供新的策略。

关键词： microRNAs 非可控性炎症 肿瘤

MicroRNAs and nonresolving inflammation-related cancer

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Abstract: The link between nonresolving inflammation and cancer is well documented. On the one hand, epidemiologic evidence supports that approximately 25% of all human cancer worldwide is caused by nonresolving inflammation. On the other hand, inflammatory cells are found in the micro-environment of most, if not all, tumors. In the tumor micro-environment, inflammatory cells and molecules influence almost every aspect of cancer. MicroRNAs (miRNAs) participate in the initiation and progression of nonresolving inflammation-related cancer by regulating the key genes and related signaling pathways. Further investigation into the molecular mechanisms by which miRNAs carry out their functions will be of great value in the prevention, early diagnosis, and treatment of tumors.

Keywords: microRNAs nonresolving inflammation tumor

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