

عنوان مقاله:

MicroRNA as Novel Strategies for Cancer Treatment

محل انتشار:

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خلاصه مقاله:

MicroRNAs (mirNAs) have garnered tremendous interest in cancer biology research in the recent decade. mirNAs are a group of short non-coding RNAs, ۲۰-۲۴ nucleotides in length, that are found in animals and plants. They can reduce the expression of genes involved in numerous vital cell processes. Recent evidences indicate a key role played by mirNAs in the initiation and development of human carcinogenesis. These function including: the regulation of oncogenes, tumor suppressor genes, and several tumor-associated genes to that of processes such as cell proliferation, apoptosis, and angiogenesis. Clinical trials aimed at improving mirNA profiling for clinical diagnosis and prognosis of different disorders are now underway. In this review, we have summarized the physiological role of .mirNAs and their diagnostic and therapeutic potential in clinical assessment

کلمات کلیدی:

microRNAs, cancer, therapeutic

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