

عنوان مقاله:

Investigation of association between miR-152 polymorphism with breast cancer in Isfahanpopulation

محل انتشار:

دهمین کنگره بین المللی سرطان پستان (سال: 1393)

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خلاصه مقاله:

Breast cancer is most common cancer among women in the world. Unlike many other diseases which have a single cause, breast cancer does consequence of the interaction between numerous factors comprise both genetic characteristics and lifestyle factors. Lately, researchers have begun to notice the role of miRNA and their polymorphisms in breast cancer. miRNAs are small, single stranded, and noncoding RNAs. The miRNAs deregulation in breast cancer was first reported in 2005. One of the causes of this dysregulation of miRNA expression is single nucleotide polymorphisms in those genes. This study aimed to investigate the possible relationship of the rs12940701 polymorphism in miR-152 gene and breast cancer, by the method based on RFLP-PCR for genotyping 200 cases and 100 controls. By using the SGD data base, Ddel enzyme was recognized suitable for identification of this polymorphism. By using the NCBI website the desired gene sequence was gotten and Oligo7 software was used for designing primers. The length and Tm of primers was studied by Oligo7 software, To evaluate the specificity of primers and its lack of binding to other parts of the genome Blast program was used and RFLP-PCR can be optimized .for investigation of this polymorphism

کلمات کلیدی:

Breast cancer, miR-152, RFLP-PCR

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