عنوان مقاله:

LncRNA HOXD-AS۱ Is Upregulated in Ovarian Cancer

محل انتشار:

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خلاصه مقاله:

Patients with ovarian cancer are mostly diagnosed at advanced stages which leads to poor prognosis and high mortality rate. Deregulation of lncRNA HOXD-AS۱ expression associates with cancer development and metastasis. However, the expression level of this lncRNA in ovarian cancer is not determined.۵۰paired ovarian tumors and their adjusted normal tissues were included in the study. Total RNA was extracted by TRIzol® Reagent and reverse-transcribed to cDNA using PrimeScript II cDNA synthesis kit. The expression levels of HOXD-AS۱ were quantified by qRT-PCR and compared. The Roc curve analysis was used to evaluate the capacity of HOXD-AS۱ as a biomarker for ovarian cancer. We observed that lncRNA HOXD-AS۱ was significantly upregulated in ovarian tumors compared to their adjusted normal tissues (p <۰.۰۰۳). Moreover, the ROC curve analysis revealed that the lncRNA HOXD-AS۱ expression level could discriminate tumoral and non-tumoral tissues with ۸۵% sensitivity and ۸۸% specificity. The lncRNA HOXD-AS۱ expression level might be considered as a potential biomarker for ovarian cancer development.

کلمات کلیدی:

ovarian cancer, Biomarker, lncRNA, HOXD-AS۱, Gene expression

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