گواهی ثبت مقاله در سیویلیک گواهی ثبت مقاله در سیویلیک CIVILICA.com

عنوان مقاله:

Inhibition of liver cancer cell line by hydatid cyst fluid

محل انتشار:

هفتمین کنفرانس بین المللی بهداشت، بحران و ایمنی (سال: 1402)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Worm parasites, including Echinococcus granulosus, contain compounds that exhibit antitumor activity. So, the objective of this study was to evaluate the effects of antigen B extracted from hydatid cyst fluid on liver Hep GrMethods: Effects of different concentrations of antigen B on Hep Gr and HEKrnr cells proliferation were investigated using the MTT assay. Cell cycle analysis to measure cellular DNA content in the Go/Gi, S and Gr/M was done using Flow cytometry. Annexin-V/PI staining method was used to determine cells apoptotic rate. Furthermore, the mRNA expression of pro-apoptotic gene BAX and anti-apoptotic gene BCLr was assessed by RT-PCR after exposure to antigen B.Results: The effect of antigen B on HEKrnr and Hep Gr cells showed that HEKrnr cells as a normal cell line is less sensitive than cancer cell line Biffio to antigen B, and ICΔo values in HEKrnr and Hep Grcells were μδ ± F.μ and iδ ± μ.i μM, respectively. In both cell lines, the antigen B induced anti-proliferative effect on the cells with increasing cell population at Go/Gi, and decreasing the numbers of cells at the S and Gr/M phases. Our results also showed antigen B can induce cell apoptosis in both HEKrnr and Biffio cell lines and increased the mRNA expression of BAX and decreased the mRNA expression of BCLr thereby induction of cell apoptosis.Conclusion: this study confirmed that antigen B inhibits proliferation and promotes apoptosis of HEKrnr and Hep Grcells and can raise .hopes in the treatment of melanoma cancesupplement in the toxicity caused by rice tablets

كلمات كليدى:

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