肿瘤防治研究 2008, Vol. 35 Issue (7): 487-490 DOI:
基础研究

米非司酮对绒癌细胞体外增殖及对非经典人类白细胞Ⅰ类抗原表达的影响

王建英; 李勇; 程建新; 范立侨; 吴小华; 赵群; 王世杰;

河北医科大学第四医院妇产科; 河北医科大学第四医院外科;

Effect of Mifepristone on Proliferation and Expression of Non-classical Human Leucocyte Antigen Class Ⅰ Molecules in Choriocarcinoma Cell Line

WANG Jian-ying1; LI Yong2; CHENG Jian-xin1; FAN Li-qiao2; WU Xiao-hua1; ZHAO Qun2; WANG Shi-jie21

.Department of Gynecolory and Obstetric; The Forth Hospital of Heibei Medical University; Shijiazhuang 050011; China; 2.Department of Surgery

- 摘要
- 参考文献
- 相关文章

全文: PDF (406 KB) HTML (0 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 目的 探讨米非司酮对绒癌细胞JEG 3体外增殖及对非经典人类白细胞I类抗原HLA G、HLA E表达的影响。方法 体外培养高表达HLA G、HLA E的绒癌细胞株JEG 3，采用MTT法检测米非司酮对细胞增殖的影响，分别通过RT PCR技术和流式细胞分析技术观察其对细胞中HLA G、HLA E mRNA和蛋白水平表达的影响。结果 米非司酮对JEG 3细胞的增殖表现出浓度信赖性的抑制作用，高浓度米非司酮能明显下调JEG 3细胞中HLA G、HLA E mRNA和蛋白水平。结论 米非司酮抗肿瘤的机制之一可能是其可以打破机体对肿瘤的免疫耐受，从而遏制肿瘤的生长。

关键词： 米非司酮 人类白细胞抗原 免疫耐受

Abstract: Objective To explore the effect of mifepristone on the proliferation and the expression of nonclassical HLA I molecules (HLA G and HLA E) in choriocarcinoma cell line JEG 3.Methods The HLA G highly positive cell line of choriocarcinoma(JEG 3) was cultured in vitro,and MTT assay was used to examine antiproliferative effect of mifepristone on the JEG 3 cells,the mRNA expression of HLA G and HLA E were detected by RT PCR,and protein level by flow cytometry.Results Mifesitone produced concentration dependent and time dependent antiproliferative effect on JEG 3 cell at all experimental concentrations.High concentration mifesitone could significantly down regulate both mRNA and protein expression of HLA G and HLA E.Conclusion One of mifesitone’s antineoplastic mechanisms is surmounting immune tolerance to the neoplasm and inhibit its growth.Key words Mifesitone Human Leucocyte Antigen immune tolerance.

Key words: Mifesitone Human Leucocyte Antigen immune tolerance.Key words:Mifestitone Human Leucocyte antigen Immune tolerance

收稿日期: 2007-07-04;

引用本文:

王建英,李勇,程建新等. 米非司酮对绒癌细胞体外增殖及对非经典人类白细胞Ⅰ类抗原表达的影响 [J]. 肿瘤防治研究, 2008, 35(7): 487-490.

WANG Jian-ying,LI Yong,CHENG Jian-xin et al. Effect of Mifepristone on Proliferation and Expression of Non-classical Human Leucocyte Antigen Class Ⅰ Molecules in Choriocarcinoma Cell Line[J]. CHINA RESEARCH ON PREVENTION AND TREATMENT, 2008, 35(7): 487-490.

没有本文参考文献

[1] 张秋实;杨丽君;林仲秋. 大剂量米非司酮对子宫内膜癌细胞周期及凋亡的影响[J]. 肿瘤防治研究, 2011, 38(1): 104-105.

[2] 历 春;付海英;李 欣;刘白楠;刘昊川;李 一. S180骨肉瘤细胞TLRs表达及其与肿瘤耐受的相关性[J]. 肿瘤防治研究, 2010, 37(3): 315-318.

[3] 毛朝明;;王胜军. **CD4 + CD25 +** 调节性**T**细胞与肿瘤免疫治疗[J]. 肿瘤防治研究, 2007, 34(6): 0-467.

[4] 张秋实;李继俊;赵兴波. 米非司酮抑制子宫内膜癌细胞体外增殖的作用[J]. 肿瘤防治研究, 2007, 34(10): 750-752,.

[5] 张秋实;李继俊;林仲秋. 米非司酮对子宫内膜癌细胞周期时相调控的研究[J]. 肿瘤防治研究, 2005, 32(10): 634-636.

[6] 孙丽君;张梅;郑英;. 米非司酮对人卵巢上皮性癌细胞株的增殖抑制作用 [J]. 肿瘤防治研究, 2004, 31(2): 88-89.

[7] 赵晓东;张毅;汤春生;. 雌、孕激素拮抗剂对卵巢上皮癌细胞系体外增殖的作用[J]. 肿瘤防治研究, 2003, 30(4): 291-293.