

中国肿瘤临床 » 2012, Vol. 39 » Issue (15): 1087-1090 DOI: doi:10.3969/j.issn.1000-8179.2012.15.023

临床研究

最新目录 | 下期目录 | 过刊浏览 | 高级检索

◀◀ [an error occurred while processing this directive] | [an error occurred while processing this directive]▶▶

Krüppel 样转录因子3在肺腺癌中表达的意义

朱艳霞, 朱 敬, 杨贤义, 肖 敏

湖北医药学院附属太和医院急诊科 (湖北省十堰市442000)

Significance of Krüppel-like factor 3 Expression in Lung Adenocarcinoma

Yanxia ZHU, Jing ZHU, Xianyi YANG, Min XIAO

Emergency Department Taihe Hospital, Hubei University of Medicine, Shiyan 442000, China

摘要

参考文献

相关文章

全文: PDF (767 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 探讨Krüppel样转录因子3 (Krüppel-like factor 3, KLF3) 在肺腺癌中的表达及其与临床特征的关系, 为探索KLF3在肺腺癌中的作用提供依据。方法: 荧光定量PCR及Western blot分析KLF3的mRNA及蛋白在肺腺癌细胞株中的表达。收集72例肺腺癌患者的肿瘤组织标本, 免疫组织化学法分析KLF3在肺腺癌组织中表达并分析KLF3表达与患者临床特征的关系。结果: KLF3在肺腺癌细胞株中表达下调。大部分肺腺癌组织中KLF3低表达 (50/72), 其表达主要定位于胞浆及胞核内。KLF3表达与肺腺癌临床病理分期 ($P<0.0001$) 及T分期 ($P=0.004$)、N分期 ($P<0.0001$)、M分期 ($P<0.0001$) 明显相关。结论: KLF3可能是一个重要的肺腺癌抑癌基因, 并有望成为新的抗肿瘤治疗靶点。

关键词: KLF3 肺腺癌 抑癌基因

Abstract: To investigate the expression of the Krüppel-like transcription factor 3 (Krüppel-like factor 3, KLF3) in lung adenocarcinoma (LAC) and its clinical features, which provides the basis for exploring the role of KLF3 in LAC. Methods: The mRNA and protein expression of KLF3 in LAC cell lines was analyzed by using quantitative polymerase chain reaction and Western blot analysis. A total of 72 LAC specimens from patients who were admitted to the Taihe Hospital, Hubei University of Medicine, Shiyan, between 2009 and 2011 were selected. Immunohistochemical staining was used for the analysis of KLF3 expression in the specimens, and an analysis of the correlation between KLF3 expression and the clinical features of patients with LAC was conducted. Results: KLF3 was down-regulated in the cancer cells and was decreased in a majority of LAC patients (50/72). Moreover, the KLF3 protein was primarily located in the cytoplasm and nucleus. KLF3 expression was found to be significantly correlated with the clinical pathological period ($P < 0.0001$), T stage ($P = 0.004$), N stage ($P < 0.0001$), and M stage ($P < 0.0001$) of LAC patients. Conclusion: KLF3 may be an important tumor suppressor gene in LAC and may thereby be a new anti-tumor therapeutic target.

Key words: KLF3 Lung adenocarcinoma Tumor suppressor gene

收稿日期: 2012-05-03; 出版日期: 2012-08-15

通讯作者: 朱艳霞 E-mail: zyxsy120@163.com

引用本文:

. Krüppel样转录因子3在肺腺癌中表达的意义[J]. 中国肿瘤临床, 2012, 39(15): 1087-1090.

. Significance of Krüppel-like factor 3 Expression in Lung Adenocarcinoma[J]. Chinese Journal of Clinical Oncology, 2012, 39(15): 1087-1090.

链接本文:

<http://www.cjco.cn/CN/doi:10.3969/j.issn.1000-8179.2012.15.023> 或 <http://www.cjco.cn/CN/Y2012/V39/I15/1087>

服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

作者相关文章

- [1] 王 静①,孙蕾娜②,战忠利②. 伴微乳头成分的肺腺癌**EGFRKRAS**基因突变和临床病理学特征相关研究[J]. 中国肿瘤临床, 2013, 40(2): 89-92.
- [2] 王 静①,孙蕾娜②,闫庆娜②,田 琰①,李 瑛②,战忠利②. 伴微乳头结构的肺腺癌恶性潜能机制研究[J]. 中国肿瘤临床, 2012, 39(21): 1612-1614.
- [3] 戴 东,徐文贵,宋秀宇,朱研佳,朱 湘,张 莹. **18F-FDG 18F-FLT PET** 显像评价肺腺癌放射治疗疗效的实验研究*[J]. 中国肿瘤临床, 2012, 39(20): 1505-1508.
- [4] 钟荣荣①,张鹏①,梁冬春②,董尚文①,王元国①,崔元涛①,王硕①. 人食管鳞癌组织中**RIZ1** 基因表达水平的研究*[J]. 中国肿瘤临床, 2012, 39(18): 1346-1348.
- [5] 张 帅, 姜 伟, 曹志伟, 胡 靖, 于 雁. 铜绿假单胞注射液联合**PC**方案治疗晚期肺腺癌的疗效评价[J]. 中国肿瘤临床, 2012, 39(16): 1208-1210.
- [6] 杜春娟|李 慧|于津浦|安秀梅|于文文|齐 静|任秀宝|曹 水. 细胞因子诱导的杀伤细胞逆转耐顺铂肺腺癌细胞系**A549/DDP**耐药性的研究[J]. 中国肿瘤临床, 2012, 39(13): 889-894.
- [7] 袁智勇,秦培燕,庄洪卿,于津浦,任秀宝,王长利,王 平. 恩度不同给药时相对肺癌裸鼠移植瘤辐射增敏效应研究[J]. 中国肿瘤临床, 2012, 39(10): 648-651.
- [8] 张晔,杨斌,白同,高英堂,刘辉,骆莹,王鹏,杜智. 丹参酮ⅡA对肝癌细胞系**SMMC-7721**去甲基化作用的研究[J]. 中国肿瘤临床, 2011, 38(8): 421-425.
- [9] 颜莹,刘园,高纯子,李瑛,韩波. 尼妥珠单抗联合**X**射线照射对肺腺癌细胞**A549**的作用[J]. 中国肿瘤临床, 2011, 38(8): 433-436.
- [10] 张真发,张连民,李 跃,王长利. 胰岛素样生长因子2的表达对**N2**期肺腺癌预后的影响[J]. 中国肿瘤临床, 2011, 38(24): 1515-1518.
- [11] 唐海灵,综述;陈建民,审校. 抑癌基因**ARHI**研究进展[J]. 中国肿瘤临床, 2011, 38(20): 1291-1294.
- [12] 李娜,李凯. **61**例肺实性型腺癌的临床特征及预后分析[J]. 中国肿瘤临床, 2011, 38(16): 970-973.

友情链接



版权所有 © 2013 《中国肿瘤临床》编辑部

地址: 天津市河西区体院北环湖西路肿瘤医院内 300060

电话/传真: (022)23527053 E-mail: cjco@cjco.cn cjcotj@sina.com 津ICP备1200315号