

[1]陈琰琰,朱慧芬,杨道锋,等.HBx及其突变体X17-3对Hippo信号途径表达的影响[J].第三军医大学学报,2013,35(16):1704-1707.

Chen Yanyan,Zhu Huifen,Yang Daofeng,et al.HBx and its mutant X17-3 regulates YAP through Hippo signaling pathway in human hepatic L02 cells[J].J Third Mil Med Univ,2013,35(16):1704-1707.

点击复制

HBx及其突变体X17-3对Hippo信号途径表达的影响:

《第三军医大学学报》 [ISSN:1000-5404/CN:51-1095/R] 卷: 35 期数: 2013年第16期 页码: 1704-1707 栏目: 论著 出版日期: 2013-08-30

Title: HBx and its mutant X17-3 regulates YAP through Hippo signaling pathway in human hepatic L02 cells

作者: 陈琰琰; 朱慧芬; 杨道锋; 刘晓聪; 邓科兰; 黄春梅; 胡晓萌; 姜素华; 沈关心

石河子大学医学院: 生物化学教研室, 病原生物学与免疫学教研室; 华中科技大学同济医学院: 免疫系, 附属同济医院感染科

Author(s): Chen Yanyan; Zhu Huifen; Yang Daofeng; Liu Xiacong; Deng Kelan; Huang Chunmei; Hu Xiaomeng; Jiang Suhua; Shen Guanxin

Department of Biochemistry, Department of Pathogenic Biology and Immunology, Medical College of Shihezi University, Shihezi, Xinjiang Uygur Autonomous Region, 832003; Department of Immunology, Department of infectious Diseases, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, Hubei Province, 430030, China

关键词: Hippo YAP; 乙型肝炎病毒X 蛋白; 乙型肝炎病毒; 肝癌; 细胞凋亡

Keywords: Hippo YAP; hepatitis B virus X protein; hepatitis B virus; hepatocellular carcinoma; apoptosis

分类号: R322.47;R329.26;R394.2

文献标志码: A

摘要: 目的 初步探寻HBx及其不同突变体表达与Hippo信号途径的关系, 以及对细胞凋亡的影响。 方法 HBx及其突变体载体转染人正常肝细胞系L02, 转染48 h后, 提取总蛋白, Western blot检测细胞中Hippo信号途径MST1、YAP(yes-associated protein)的表达, 磷酸化和去磷酸化的情况。采用Annexin V/PI标记流式细胞术检测细胞凋亡。 结果 HBx及其突变体载体转染L02细胞48 h后, Western

导航/NAVIGATE

[本期目录/Table of Contents](#)

[下一篇/Next Article](#)

[上一篇/Previous Article](#)

工具/TOOLS

[引用本文的文章/References](#)

[下载 PDF/Download PDF\(838KB\)](#)

[立即打印本文/Print Now](#)

[查看/发表评论/Comments](#)

[导出](#)

统计/STATISTICS

[摘要浏览/Viewed](#) 168

[全文下载/Downloads](#) 98

[评论/Comments](#)

[RSS](#) [XML](#)

blot结果显示细胞MST1表达下调，p-MST1/2表达上升 ($P<0.05$)；YAP表达上升，p-YAP表达下调 ($P<0.05$)。Annexin V/PI标记法流式细胞术结果显示HBx及其突变体能促进L02细胞发生凋亡 ($P<0.05$)，其介导的细胞早期凋亡尤为明显。 结论 HBx通过Hippo信号通路途径调控下游致癌基因YAP的表达。结合HBx介导的L02细胞凋亡这一结果说明HBx可能通过多种途径调节细胞周期。

Abstract: Objective To investigate the relationship of HBx and its mutant X17-3 with Hippo signaling pathway, and the effects of HBx on cell cycle and apoptosis. Methods L02 cells were transfected with HBx and its mutant, respectively. After 48 h of incubation, the expression levels as well as the phosphorylation status of MST1/2 and yes-associated protein (YAP) were detected by