

论著

Cyclin D1 蛋白在碳酸锂对抗黄曲霉素B1 诱导大鼠肝癌过程中的表达及意义

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摘要 目的与方法:应用免疫组化法检测碳酸锂(Li₂CO₃) 对抗黄曲霉素B1 (AFB₁) 诱导大鼠肝癌过程中癌基因蛋白cyclin D1的表达及意义。结果:cyclin D1 在诱癌早期(实验第6周) 即有表达,第10周显著增高,差异均有显著性(P < 0.01)。阳性对照组(B) 组cyclin D1 蛋白阳性率最高,碳酸锂同时给药组(C组) 及先期给药组(D组) 阳性率显著降低,C组阳性率略高于D组。结论:Li₂CO₃ 可明显对抗AFB₁ 诱导肝癌过程中cyclin D1 的表达,通过抑制细胞的持续性增殖从而起到抗癌作用。cyclin D1 的免疫组化检查有助于肿瘤的早期发现和追踪观察。

关键词 [cyclin D1](#) [碳酸锂](#) [黄曲霉毒素](#) [大鼠肝癌](#)

THE EXPRESSION OF CYCLIN D1 PROTEIN OF LITHIUM CARBONATE ON THE DEVELOPMENT OF RAT HEPATIC CARCINOMA INDUCED BY AFLATOXIN B1 AND ITS SIGNIFICANCE

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Abstract Purpose and Methods : Using immunohistochemical assay , the expression of cyclin D1 protein of lithium carbonate on the development of rat hepatic carcinoma induced by aflatoxin B1 and it s significance were studied. **Results :** The expression of cyclin D1 occurred in the early stage (the 6th week) and significantly increased in the 10th week. The positive rate of positive cont rol group (B) was the highest and that of group t reated with Li₂CO₃ simultaneously (C) and group pre2t reated with Li₂CO₃ . (D) significantly decreased , but group C > group D. **Conclusion :** It suggested that Li₂CO₃ has the effect on anti2expression of cyclin D1 in aflatoxin B1 induced rat hepatic carcinoma , and can rest rain cell continuous roliferation , so it may be anticarcinogenic ; and that the immunohistochemical assay of cyclin D1 may help early diagnosis and monitoring.

Keywords [cyclin D1](#) [Li₂CO₃](#) [AFB₁](#) [rat hepatic carcinoma](#)

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