

CDK4蛋白在胞浆中的表达与肺癌临床病理学特征及预后的关系(点击查看pdf全文)

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Title: Cytoplasmic expression of CDK4 protein and its correlation with the clinicopathologic features and prognosis of lung cancer

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摘要: 目的评估CDK4蛋白在胞浆中表达与肺癌患者临床病理学特征的关系。方法利用免疫组化和统计学方法分析CDK4蛋白在胞浆中表达以及与肺癌患者临床病理参数及预后之间的相关性。结果与正常肺组织相比, CDK4蛋白在肺癌胞浆中的表达并没有明显增高(P=1.000)。然而, 在肺癌组织中, CDK4表达上调正向相关于患者的临床分期和淋巴结转移(P=0.001, P=0.001)。预后分析表明, CDK4蛋白在胞浆表达越高, 患者生存时间越短。多变量分析显示, CDK4在胞浆中过表达是预测肺癌患者预后不利因素(P<0.001)。结论CDK4蛋白在细胞胞浆中过表达也促进肺癌的发病过程, 且其是预测肺癌患者预后的不利因子。

Abstract: Objective To evaluate the correlation of CDK4 protein expression in the cytoplasm with the clinicopathologic features and prognosis of lung cancer. Methods Immunohistochemistry was employed to examine CDK4 protein expression in the cytoplasm of lung cancer samples, using normal lung tissue samples as control. The correlation of cytoplasmic CDK4 protein expression with the clinicopathologic parameters and prognosis of lung cancer patients was analyzed. Results No significant difference was found in cytoplasmic CDK4 protein expression levels between lung cancer and normal lung tissues (P=1.000). In the lung cancer tissues, however, an increased cytoplasmic expression of CDK4 was positively correlated with the clinical stages and lymph node metastasis. Prognostic analysis showed that the patients with an increased cytoplasmic CDK4 expression had a markedly shorter overall survival than those with a low cytoplasmic CDK4 expression. Multivariate analysis suggested that the level of cytoplasmic CDK4 expression was an independent prognostic indicator for the survival of patients with lung cancer (P<0.001). Conclusion Overexpression of CDK4 protein in the

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cytoplasm may promote the carcinogenesis of lung cancer and can be an unfavorable prognostic factor for the survival of lung cancer patients.

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