

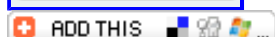
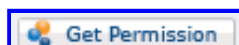
The Expression and Significance of Annexin II in Lung Squamous Cell Cancer and Adenocarcinoma

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摘要

Background and objective Annexin II is a calcium-dependent phospholipid-binding protein that plays a role in many cellular functions. It has been proven that annexin II has been involved in many human cancers. The aim of this study is to examine the expression of annexin II in lung cancer tissues, and analyze the correlations between annexin II and clinicopathological parameters. Methods Annexin II expression was examined in 110 lung cancer specimens using immunohistochemistry (SP method). Western Blot was used to detect the expression of annexin II in lung cancer tissues and the corresponding normal lung tissues. Results Among 110 lung cancer specimens, 67 samples showed positive expression of annexin II (60.9%). It showed membranous staining in lung squamous cell carcinoma. The positive membranous expression and cytoplasmic expression of annexin II in lung adenocarcinoma mainly showed membranous staining. Annexin II expression level was positively correlated with lymphoid node metastasis ($P = 0.008$) and TNM stages ($P = 0.002$). There was expression of annexin II in both lung cancer tissues and the corresponding normal lung tissues, and in lung cancer tissues, the total levels of annexin II proteins were significantly higher than that in the corresponding normal lung tissues ($P < 0.001$). Conclusion The expression of annexin II positively may correlated with lung squamous cell carcinoma and adenocarcinoma development.



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