

Annexin II、S100A4在甲状腺乳头状癌中的表达及意义

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Expressions and Clinical Significance of Annexin II and S100A4 in Papillary Thyroid Carcinoma

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- 摘要
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全文: PDF (851 KB) HTML (0 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 目的探讨甲状腺乳头状癌中钙磷脂结合蛋白II(Annexin II)与钙结合蛋白S100A4的表达,分析其与甲状腺乳头状癌发生及淋巴结转移的关系以及二者的相关性。方法应用免疫组织化学SP法和原位杂交技术检测50例甲状腺乳头状癌组织、14例甲状腺腺瘤组织、26例结节性甲状腺肿组织和10例正常甲状腺组织中Annexin II、S100A4蛋白和Annexin II mRNA的表达。结果甲状腺乳头状癌中Annexin II、S100A4蛋白和Annexin II mRNA的阳性表达率分别为82.00%(41/50)、78.00%(39/50)和74.00%(37/50),均明显高于甲状腺腺瘤组织、结节性甲状腺肿组织及正常甲状腺组织($P<0.05$);三者均在癌组织中的表达与甲状腺乳头状癌淋巴结转移有关($P<0.05$);Annexin II蛋白与S100A4蛋白的表达呈正相关性($r=0.380, P=0.025$);Annexin II蛋白与Annexin II mRNA的表达呈正相关性($r=0.434, P=0.008$)。结论Annexin II蛋白、Annexin II mRNA及S100A4蛋白的高表达与甲状腺乳头状癌的发生和淋巴结转移密切相关,二者联合检测有助于鉴别甲状腺良恶性病变,并预测肿瘤的发展和预后。

关键词: 甲状腺乳头状癌 免疫组织化学 原位杂交 Annexin II S100A4

Abstract: Objective To investigate the expression of Annexin II and S100A4 in papillary thyroid carcinoma and their correlations with the occurrence and lymphatic metastasis of papillary thyroid carcinoma. Methods The immunohistochemistry S-P and in situ hybridization technique was used to test the different expressions of Annexin II, S100A4 proteins and Annexin II mRNA in tissues of 50 papillary thyroid carcinoma, 14 thyroid adenoma, 26 nodular goiter and 10 normal thyroid gland. Results The positive expression rates of Annexin II, S100A4 proteins and Annexin II mRNA in papillary thyroid carcinoma were 82.00%(41/50), 78.00%(39/50) and 74.00%(37/50), respectively. They were significantly higher than those in thyroid adenoma, nodular goiter and normal thyroid gland ($P<0.05$). The expression rates of Annexin II, S100A4 proteins and Annexin II mRNA in papillary thyroid carcinoma were associated with lymph node metastasis ($P<0.05$). The expression of Annexin II protein was positive correlated with that of S100A4 protein ($r=0.380, P=0.025$). The expression of Annexin II protein was positive correlated with that of Annexin II mRNA ($r=0.434, P=0.008$). Conclusion The over expressions of Annexin II and S100A4 were closely related with the occurrence and lymphatic metastases of thyroid carcinoma. Combining detection of Annexin II and S100A4 would help to distinguish the benign or malignant disease of thyroid gland and predict tumor development and prognosis.

Key words: Papillary thyroid cancer Immunohistochemistry In situ hybridization Annexin II S100A4

收稿日期: 2011-02-16;

引用本文:

黄器伟, 李道明, 黄培等. Annexin II、S100A4在甲状腺乳头状癌中的表达及意义[J]. 肿瘤防治研究, 2011, 38(12): 1397-1400.

HUANG Qi-wei, LI Dao-ming, HUANG Pei et al. Expressions and Clinical Significance of Annexin II and S100A4 in Papillary Thyroid Carcinoma [J]. CHINA RESEARCH ON PREVENTION AND TREATMENT, 2011, 38(12): 1397-1400.

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- [1] 王小莉;龚兴牡 . Trx-1和COX-2在非小细胞肺癌中的表达及意义[J]. 肿瘤防治研究, 2012, 39(2): 166-168.
- [2] 刘畅;陶晓峰;高政南;刘忠 . Moesin和E-cadherin与甲状腺乳头状癌侵袭的相关性[J]. 肿瘤防治研究, 2012, 39(1): 44-47.
- [3] 张冠军;梁 华;王春宝;张学斌;王一理 . NDRG-1及MMP-7在肾细胞癌中的表达及意义[J]. 肿瘤防治研究, 2012, 39(1): 54-58.
- [4] 孙建建;李胜棉;赵松;李光辉;王小玲 . Survivin和Caspase-3在胰腺癌组织中的表达及与预后的关系[J]. 肿瘤防治研究, 2012, 39(1): 62-67.
- [5] 于秀文;李姗姗;孙玉荣;王显艳;张春庆 . 胃癌发生不同阶段E-cadherin和TCF4的联合检测及其对胃癌Lauren's分型的意义[J]. 肿瘤防治研究, 2011, 38(9): 1031-1034.
- [6] 周英琼;肖胜军;侯巧燕;莫文法 . TGF- β 1及其信号转导通路分子在鼻咽癌组织芯片中的表达及意义[J]. 肿瘤防治研究, 2011, 38(9): 1023-1027.
- [7] 申兴斌;段惠佳;赵杨;张古林 . 垂体肿瘤转化基因在大肠正常黏膜、腺瘤及大肠癌组织中的表达及意义[J]. 肿瘤防治研究, 2011, 38(9): 1042-1045.
- [8] 陈曦;毛勤生;黄华;朱建伟 . PKC- ζ 在大肠良恶性组织中的表达及其与Cortactin蛋白的关系[J]. 肿瘤防治研究, 2011, 38(8): 903-908.
- [9] 王志峰;刘勤江;廖世奇;葛廷;杨荣 . 甲状腺癌NIS和TSHR表达的矛盾性及非相关性[J]. 肿瘤防治研究, 2011, 38(8): 909-913.
- [10] 秦艳茹;艾教育;汤虹;李芳芳;乔俊静 . 食管鳞状细胞癌组织中Ezrin基因的表达和临床意义[J]. 肿瘤防治研究, 2011, 38(8): 914-917.
- [11] 吴新红;冯尧军;潘翠萍;许娟;钟伟;邵军;马彪 . 乳腺癌患者新辅助化疗前后HER-2表达的变化[J]. 肿瘤防治研究, 2011, 38(8): 930-932.
- [12] 黄海建;余英豪;郑智勇 . 卵巢恶性Brenner瘤伴脾转移1例报告并文献复习 [J]. 肿瘤防治研究, 2011, 38(8): 954-956.
- [13] 胡蓉环;刘安文;蔡婧;张树辉 . MAP4K4在肝细胞癌中的表达及意义[J]. 肿瘤防治研究, 2011, 38(7): 752-755.
- [14] 杨廷桐;武俊芳;李秀杰;孙洁;侯夏宝 . p53基因突变对非小细胞肺癌TSG101/MDM2信号通路的影响[J]. 肿瘤防治研究, 2011, 38(7): 774-777.
- [15] 张德才;张景华;汪洋;何津;刘远廷;马杰;牛凤玲 . 乳腺癌组织中Id1基因mRNA的表达及其与临床病理的关系[J]. 肿瘤防治研究, 2011, 38(7): 780-783.