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Survivin在胃癌组织中的表达及其与Bcl-2、Bax表达的关系 [点此下载全文](#)

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摘要:

目的: 探讨Survivin在胃癌组织中的表达及其与Bcl 2、Bax表达的关系, 并讨论它们相关的临床意义。方法: 选择临床及病理资料完整的中国医科大学附属盛京医院2005-2007年手术切除并经病理证实为胃腺癌术前均未行化放疗的蜡块标本54例, 另取良性胃黏膜组织15例。应用免疫组化SP法检测54例胃癌组织中Survivin、Bcl 2、Bax的表达, 并检测15例正常胃黏膜组织中Survivin的表达。结果: 54例胃癌组织中有39例Survivin表达阳性, 阳性率为72.2%; 15例正常胃黏膜组织中无Survivin阳性表达。Survivin的表达与胃癌的浸润深度、淋巴结转移和TNM分期密切相关 ($P < 0.05$ 或 $P < 0.01$), 而与患者的性别、年龄、肿瘤大小、远隔转移及分化程度无相关性。Bcl 2阳性表达者中Survivin阳性表达率为81.8%, Bcl 2阴性表达者中Survivin阳性表达率为57.1%, Survivin与Bcl 2的表达呈正相关 ($P < 0.01$); 而Survivin与Bax的表达无明显相关性。结论: 胃癌组织中Survivin的表达与肿瘤的浸润深度、淋巴结转移和临床分期密切相关; Bcl 2的表达呈正相关, 而与Bax的表达无明显相关性

关键词: [胃肿瘤](#) [Survivin](#) [Bcl-2](#) [Bax](#) [凋亡](#) [免疫组织化学](#)

Expression of Survivin gene in gastric carcinoma and its relationship with Bcl-2 and Bax expression [Download Fulltext](#)

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Abstract:

Objective: To investigate the expression of Survivin gene in gastric carcinoma and its relationship with Bcl 2 and Bax expression, as well as their roles in the development and progression of gastric carcinoma. Methods: Fifty four paraffin blocks were obtained from patients with gastric carcinoma receiving surgery. The diagnosis of these patients was confirmed by pathology in our Hospital from 2005-2007; no patients received chemoradiation therapy before surgery. Fifteen benign gastric mucosa tissues were used as control. SP immunohistochemistry was used to detect Survivin, Bcl 2 and Bax expression in gastric carcinoma tissues, and Survivin in 15 benign gastric mucosa tissues. Results: Survivin was positive in 39 of the 54 tissues, with a positive rate of 72.2%. Survivin expression was not detected in the 15 benign gastric mucosa tissues. Expression of Survivin in gastric carcinoma tissues was correlated with the invasion, lymph nodes metastasis and TNM stage of gastric carcinoma, but not with patients' sex and age, tumor size, remote metastasis or cell histological stage. Positive rate of Survivin expression in Bcl 2 positive gastric carcinoma tissues was 81.8% (27/33) and the rate was 63.6% (14/22) in Bcl 2 negative gastric carcinoma tissues. Survivin expression in gastric carcinoma tissues was correlated with the expression of Bcl 2 but not with Bax ($P < 0.05$). Conclusion: Expression of Survivin in gastric carcinoma tissues is correlated with the invasion, lymph node metastasis and TNM stage of gastric carcinoma. Survivin expression in gastric carcinoma tissues is positively correlated with the expression of Bcl 2 but not with Bax ($P < 0.05$).

Keywords: [stomach neoplasms](#) [Survivin](#) [Bcl 2](#) [Bax](#) [apoptosis](#) [immunohistochemistry](#)

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