

Clinicopathological significance of overexpression of TSPAN1, KI67 and CD34 in gastric carcinoma

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ABSTRACT

To investigate the expression of TSPAN1 (Gene ID: 10103), Ki67 and CD34 in gastric carcinomas and the clinicopathological significance, the expression of TSPAN1, Ki67 and CD34 was detected in 86 cases of gastric carcinoma, paraffin-embedded sections using an immunohistochemical method. The rates of overexpression of TSPAN1, Ki67 and CD34 in gastric carcinomas were 56.98%, 74.42%, and 62.79%, respectively. The overexpression of these markers was positively correlated with clinical stage and negatively correlated with survival rates (at 3 and 5 years). The overexpression of TSPAN1 and Ki67 was negatively correlated with carcinoma differentiation, and the overexpression of TSPAN1 and CD34 was positively correlated with infiltration and lymph node status of the tumor. Thus, overexpression of TSPAN1, Ki67 and CD34 in gastric cancer tissues is associated with development of the cancer. The detection of expression of TSPAN1, Ki67 and CD34 in gastric cancer may provide useful prognostic information for patients with the disease.

Key words: CD34, gastric carcinoma, Ki67, prognosis, TSPAN1.

Acknowledgments: The study was supported by the University High-Tech Developing Foundation of Jiangsu Province (No.JHO2-118), the Science Foundation of Nantong city, Jiangsu Province, China (No.s1001) and the Natural Science Foundation of Jiangsu Province (BK2006058).

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Received October 8, 2007;
accepted December 5, 2007.