



Association of MLL3 expression with prognosis in gastric cancer

B. Li, H.Y. Liu, S.H. Guo, P. Sun, F.M. Gong and B.Q. Jia

Department of Surgical Oncology,
General Hospital of the People's Liberation Army, Beijing, China

Corresponding author: B.Q. Jia
E-mail: jiabaoqing1971@126.com

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ABSTRACT. Low expression of myeloid/lymphoid or mixed-lineage leukemia 3 (MLL3) is reportedly associated with gastric cancer and tumor progression. The purpose of this study was to examine the expression of MLL3 in tissue samples of patients with gastric cancer and to analyze the relationship between MLL3 protein expression and clinical records. Using immunohistochemical staining and Kaplan-Meier analysis for MLL3 in gastric cancer patients, we found that low expression of MLL3 had a significant relationship with a low survival rate compared to positive MLL3 expression in the patients analyzed ($P < 0.05$). Our data suggest that MLL3 expression plays a vital role in gastric cancer development, and that this protein is an important marker for the prognosis of gastric cancer.

Key words: MLL3; Survival; Gastric cancer