



## Immunohistochemical study on expression of cathepsin $\beta$ in gastric carcinoma

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Received: November 15, 1999  
Revised: March 24, 2000  
Accepted: May 1, 2000  
Published online: September 15, 2000

### Abstract

**AIM:** To study the expression of cathepsin B in gastric carcinoma and its relationship with pathologic type.

**METHODS:** The cathepsin B expression in 54 specimens of human

gastric adenocarcinoma was studied by immunohistochemistry.

**RESULTS:** The cathepsin B expression was detected in 33/54 (61.1%) specimens of human gastric carcinoma and in 3/54 (5.6%) of normal tissue ( $P < 0.01$ ). There was no obvious correlation between the expression of cathepsin B and pathologic type of gastric adenocarcinoma.

**CONCLUSION:** There is a high expression of cathepsin B in human gastric adenocarcinoma.

**Key words:** Stomach neoplasms; Cathepsin B; Immunohistochemistry; Adenocarcinoma

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Lin WL, Chen CJ, Zhou HG. Immunohistochemical study on expression of cathepsin  $\beta$  in gastric carcinoma. *World J Gastroenterology* 2000; 6(Suppl 3): 48  
Available from: URL: <http://www.wjgnet.com/1007-9327/full/v3/iSuppl3/48.htm>  
DOI: <http://dx.doi.org/10.3748/wjg.v3.iSuppl3.48>

E- Editor: Hu S



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