



## Poorly differentiated gastric neoplasm immunohistochemical analysis and significance

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### Abstract

**AIM:** To distinguish poorly differentiated epithelial from none epithelial gastric neoplasm of using a group of antibodies.

**METHODS:** Appropriate, special immunohistochemical chief antibody were chosen including cytokeratin (broad-spectrum CK), LCA (CD45), Vimentin, CEA and NSE. Forty-three cases of poorly differentiated neoplasm were analyzed by immunohistochemically

assay under microscope.

**RESULTS:** Thirty-nine (90%) of 43 cases of poorly differentiated gastric neoplasm were CK positive, 2 (5%) LCA (CD45) positive, 1(2%) Vimentin positive 2%, 31 (72%) CEA positive, 16 (57%) NSE positive (1 case had No cell > 50 %).

**CONCLUSION:** It is most efficacious to choose a group of appropriat sensitive immunohistochemical antibodies to distinguish epithelial from nonepithelial ingredient of gastric neoplasm. Its operation is very simple, and specificity is high which can de widely used in pathologic diagnosis.

**Key words:** Stomach neoplasms/pathology; Stomach neoplasms/diagnosis; Immunohistochemistry

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