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胰腺导管内乳头状黏液性肿瘤组织黏蛋白MUC1、MUC2的表达及意义 [点此下载全文](#)

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摘要:

目的: 观察胰腺导管内乳头状黏液性肿瘤组织黏蛋白MUC1、MUC2 的表达, 探讨其可能的临床意义。方法: 免疫组织化学EnVision两步法检测MUC1、MUC2蛋白在18例胰腺导管内乳头状黏液性肿瘤(IPMN)和9例胰腺导管腺癌组织中的表达。结果: 18例IPMN中有4例表达MUC1, 占总数的22%, 其中包括1例侵犯周围组织的IPMC; 9例胰腺导管腺癌全部表达MUC1, 占总数的100%, 两者间有统计学差异( $P < 0.01$ )。18例IPMN中有17例表达MUC2蛋白, 占总数的94.4%; 9例胰腺导管腺癌中有1例表达MUC2蛋白, 占总数的11.1%, 两者间有统计学差异( $P < 0.01$ )。不同类型IPMN(IPMA、IPMB、IPMC)中MUC2蛋白表达率有统计学差异( $P < 0.05$ )。结论: IPMN肿瘤组织MUC2蛋白高表达, 且表达强度与病理分型相关; MUC1蛋白值得进一步研究作为判断IPMN良恶性的参考指标。

关键词: [胰腺导管内乳头状黏液性肿瘤](#) [MUC1黏液素](#) [MUC2黏液素](#) [免疫组织化学](#)

Expression of protein MUC1 and MUC2 in intraductal papillary mucinous neoplasms and its significance [Download Fulltext](#)

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Abstract:

Objective: To investigate the expression of protein MUC1 and MUC2 in intraductal papillary mucinous neoplasms (IPMNs) and its significance. Methods: Immunohistochemical method (EnVision) was used to analyze the expression of protein MUC1 and MUC2 in 18 IPMNs and 9 pancreatic ductal adenocarcinomas. Results: Expression of protein MUC1 was detected in 4 of the 18 (22%) IPMNs (including 1 with pancreatic intraductal papillary-mucinous carcinoma) and all the 9 (100%) the pancreatic ductal adenocarcinomas, with the latter significantly higher than the former ( $P < 0.01$ ). Expression of protein MUC2 was detected in 17 of the 18 (94.4%) IPMNs and in 1 of the 9 (11.1%) pancreatic ductal adenocarcinomas, with the former significantly higher than the latter ( $P < 0.01$ ). The expression levels of MUC2 were significantly different in IPMNs of different types (IPMA, IPMB, and IPMC,  $P < 0.05$ ). Conclusion: IPMNs have high expression of MUC2 and the expression is associated with the pathological types of IPMN. MUC1 expression may serve as a marker of malignant IPMNs and is worth further studying.

Keywords: [intraductal papillary mucinous neoplasms](#) [MUC1 mucin](#) [MUC2 mucin](#) [immunohistochemistry](#)

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