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脂肪酰胺水解酶在结直肠癌中的表达及临床意义 (PDF)

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Title: Expression of fatty acid amide hydrolase in colorectal cancer and its clinical significance

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关键词: 结直肠癌; 组织芯片; 脂肪酰胺水解酶

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摘要: 目的 检测脂肪酰胺水解酶 (fatty acid amide hydrolase, FAAH) 在结直肠癌及正常肠黏膜中的表达, 探讨其临床意义。 方法 应用Western blot和组织芯片技术结合免疫组化法检测结直肠癌组织以及对应正常肠黏膜中FAAH蛋白的表达。 结果 FAAH在结直肠癌组织中的表达低于正常肠黏膜, 169例结直肠癌组织中FAAH的阳性表达率显著低于正常肠黏膜 (56.8% vs 97.4%, $P < 0.01$), 并与肿瘤的分化程度密切相关 ($P < 0.01$)。 结论 FAAH在结直肠癌组织中低表达, 在正常肠黏膜中高表达, 在结直肠癌的恶性增殖中发挥着重要作用。

Abstract: Objective To investigate the expression of fatty acid amide hydrolase (FAAH) in colorectal cancer and normal intestinal mucosa, and to explore the clinical significance of FAAH. Methods Western blotting and immunohistochemical staining were applied for the detection of FAAH expression in 169 cases of colorectal cancer tissues and 38 cases of normal intestinal mucosae. Results The expression level of FAAH in the colorectal cancer tissues was lower than that in the normal intestinal mucosae. The positive expression rate of FAAH in the colorectal cancer tissues was significantly lower than that in the normal intestinal mucosae (56.8% vs 97.4%, $P < 0.01$). FAAH expression was significantly correlated with tumor differentiation degree ($P < 0.01$). Conclusion FAAH, which is mildly expressed in colorectal cancer tissue but highly expressed in normal intestinal mucosa, plays an important role in the malignant proliferation of colorectal cancer.

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