

# 胃癌中APC基因I1307K突变及蛋白质表达 The I1307K Mutation and Protein Expression of APC Gene in Gastric Cancer

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收稿日期 修回日期 网络版发布日期 接受日期

**摘要** 为探讨肿瘤抑制基因APC结构及表达异常与胃癌发生、发展的关系,采用ARMS PCR检测胃癌中APC基因I1307K突变存在与否,免疫组织化学方法分析胃癌中APC蛋白表达水平。结果表明,在62例胃癌高发区易感人群血液标本及45例胃癌中未检测到I1307K突变;胃癌(早期、进展期)中APC蛋白表达阳性率显著低于正常黏膜,进展期胃癌中APC蛋白表达阳性率显著低于早期胃癌,淋巴结转移阳性的胃癌中APC蛋白表达阳性率显著低于淋巴结转移阴性者。因此认为I1307K突变可能与国人胃癌发生无明显相关;APC蛋白低表达与胃癌发生、进展及淋巴结转移密切相关。

**Abstract:**In order to explore the correlation of the abnormalities of tumor suppressor gene APC with the carcinogenesis and progression of gastric cancer.The I1307K mutation of APC gene in gastric cancer was analysed using Amplification Refractory Mutation System PCR (ARMS , PCR),also the expression of APC protein in gastric cancer of different stages was detected by immunohistochemical method.We found that there wasn't I1307K mutation of APC gene in 62 cases of blood samples of susceptible population in high incidence areas of gastric cancer and 45 cases of gastric cancer tissues.The positive rates of APC protein in gastric cancer (both early and progressive gastric cancer) were significantly lower than that in normal mucosa,the positive rates of APC protein in progressive gastric cancer were significantly lower than that in early gastric cancer,the positive rates of APC protein in gastric cancer with lymph node metastasis were significantly lower than that in gastric cancer without lymph node metastasis.So it was thought that there might be no correlation between the I1307K mutation of APC gene and carcinogenesis of gastric cancer in China,but the decreased expression of APC protein was closely related to the carcinogenesis,progression and lymph node metastasis of gastric cancer.

**关键词** [APC基因](#) [I1307K突变](#) [蛋白质](#) [胃癌](#) **Key words** [APC gene](#) [I1307K mutation](#) [protein](#) [gastric cancer](#)

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