

## 肿瘤防治

# 子宫内膜癌p21WAF1/CIP1蛋白的表达及其意义

葛秀君 刘志辉 高瑞萍

广东药学院妇产科教研室, 广州

收稿日期 2006-10-30 修回日期 2006-12-13 网络版发布日期:

**摘要** 背景与目的: 探讨p21WAF1/CIP1蛋白在子宫内膜癌中的表达情况及其意义。 材料与方法: 应用免疫组织化学SP法检测30例正常子宫内膜, 20例单纯性增生性子宫内膜, 22例不典型增生性子宫内膜, 57例子宫内膜癌(高分化32例, 中分化12例, 低分化13例)中p21WAF1/CIP1蛋白的表达。 结果: p21WAF1/CIP1蛋白表达于细胞核, 子宫内膜癌中p21WAF1/CIP1蛋白的表达明显低于正常子宫内膜和单纯性增生性子宫内膜( $P<0.01$ ), 且p21WAF1/CIP1蛋白的表达与子宫内膜癌组织有无肌层浸润及临床分期明显相关( $P<0.05$ )。 结论: p21WAF1/CIP1蛋白表达降低可能在子宫内膜癌的发生发展及判断预后方面具有重要作用。

**关键词** [免疫组织化学](#); [p21WAF1/CIP1蛋白](#); [子宫内膜癌](#)

## Expression and Significance of p21WAF1/CIP1 in Protein Endometrial Carcinoma

GE Xi\_u\_jun, LIU Zhi\_hui, GAO Rui\_ping

Department of Obstetrics and Gynecology, Guangdong College of Pharmacy, Guangzhou

**Abstract** **BACKGROUND&AIM:** To investigate the expression of p21WAF1/CIP1 protein in endometrial carcinoma and its clinical significance. **MATERIALS AND METHODS:** p21WAF1/CIP1 protein was assessed in 30 normal controls, 20 single hyperplasia, 22 atypical hyperplasia, 57 endometrial carcinoma by immunohistochemical SP method. **RESULTS:** p21WAF1/CIP1 protein was mainly expressed in the nucleolus. Its expression protein was decreased in endometrial carcinoma tissue, compared with normal controls and single hyperplasia( $P<0.01$ ). The expression of p21WAF1/CIP1 was correlated with depth of myometrial invasion and clinical stage ( $P<0.05$ ). **CONCLUSION:** p21WAF1/CIP1 protein may play an important role in the development and prognosis of endometrial carcinoma.

**Keywords** [immunohistochemistry](#); [p21WAF1/CIP1 protein](#); [endometrial carcinoma](#)

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