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研究报告

假基因*HMGA1L2*在甲状腺肿瘤中的表达

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摘要

应用RT-PCR技术检测假基因*HMGA1L2*在50例良、恶性甲状腺病变中*HMGA1L2* mRNA的表达。结果显示*HMGA1L2* mRNA在12例结节性甲状腺肿、9例甲状腺腺瘤和15例甲状腺乳头状癌中的阳性表达率均为100%，而在14例甲状腺滤泡癌中的阳性率为35.7%，与前3者差异有显著性。该研究首次报告了假基因*HMGA1L2* mRNA在良、恶性甲状腺病变中的表达，并且提示其在甲状腺滤泡癌与腺瘤的鉴别诊断中具有潜在的价值。

关键词 假基因 HMGA1L2 RT-PCR 甲状腺肿 甲状腺肿瘤
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The Expression of Pseudogene *HMGA1L2* in Thyroid Lesions

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Abstract

<P>Pseudogene <EM>HMGA1L2</EM> mRNA level was detected using RT-PCR in 50 cases of thyroid lesions. The results show that <EM>HMGA1L2</EM> mRNA was found in all 12 cases of nodular goiter, all 9 cases of thyroid adenoma and all 15 cases of papillary carcinoma. In 14cases of thyroid follicular carcinoma, However, the frequence of <EM>HMGA1L2</EM> mRNA expression was 35.7%, which was significantly different from that in other types of thyroid lesions (<EM>P</EM><0.05). This is the first report of mRNA expression of pseudogene <EM>HMGA1L2</EM> in nodular goiter and thyroid tumors. It indicate that pseudogene <EM>HMGA1L2</EM> expression analysis could be helpful in differentiation between follicular carcinoma and adenoma.</P>

Key words pseudogenes HMGA1L2 RT-PCR thyroid nodular goiter thyroid tumors

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