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IL-17在原发性肝癌组织中的表达及其临床意义 [点此下载全文](#)

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摘要:

目的: 探讨IL-17在原发性肝癌组织中的表达及其临床意义。方法: 23例原发性肝癌患者、9例肝良性肿瘤患者均为本院2009年3月至2010年12月的住院患者, 采集手术切除肝癌组织、相应癌旁组织以及良性肿瘤组织标本。ELISA检测患者血清中IL-17表达水平, real-time PCR检测组织中IL-17、ROR- γ t mRNA的表达水平, 免疫组化检测IL-17蛋白在肝癌组织中的表达。结果: 肝癌患者血清IL-17表达水平明显高于良性肿瘤对照组。Real-time PCR检测结果显示, 肝癌组织中IL-17、ROR- γ t mRNA的表达明显高于癌旁和正常肝组织 ($P < 0.05$)。免疫组化结果显示, 肝癌组织及癌旁组织中IL-17表达均高于正常肝脏组织, 且肝癌组织中表达明显高于癌旁组织。结论: IL-17在肝癌组织中高表达, 有可能作为肝癌诊断及治疗的新靶点。

关键词: [IL-17](#) [肝癌](#) [免疫组织化学](#)

Expression and clinical significance of IL-17 in primary human hepatocellular carcinoma tissues [Download Fulltext](#)

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Abstract:

Objective: To investigate the expression and clinical significance of IL-17 in primary human hepatocellular carcinoma (HCC). Methods: In the present study 23 primary HCC patients and 9 benign liver tumor patients were collected from the First Affiliated Hospital of Nanjing Medical University, with the tumor tissues and paracancerous tissues obtained by surgery. The serum IL-17 level was measured by ELISA, the expression of IL-17, ROR- γ t mRNA in HCC tissues were detected by real-time PCR, and the protein expression of IL-17 in HCC tissues was examined by immunohistochemistry method. Results: The serum IL-17 level was greatly higher in HCC patients compared with that in benign liver tumor patients. Real-time PCR results showed that the expression levels of IL-17, ROR- γ t mRNA were significantly higher in cancer tissues than in the peritumoral and normal liver tissues ($P < 0.05$). Immunohistochemistry results showed that the expression of IL-17 protein was greatly higher in the cancer and peritumoral tissues than that in the normal liver tissues, and that in the cancer tissues was higher than that in the peritumoral tissues. Conclusion: IL-17 is highly expressed in HCC tissues, which may provide a new target in the diagnosis and therapy of HCC.

Keywords: [IL-17](#) [hepatocellular carcinoma \(HCC\)](#) [immunohistochemistry](#)

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