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277-281. 负性协同刺激分子B7-H1和B7-H3在乳腺癌组织中的表达及其临床意义[J]. 陈陆俊, 孙静, 张磊, 谈炎, 张光波, 张学光

负性协同刺激分子B7-H1和B7-H3在乳腺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: 探讨负性协同刺激分子B7 H1、B7 H3在乳腺癌组织中的表达及其与患者临床病理参数、预后及CD3<sup>+</sup>T淋巴细胞浸润程度的关系。方法: 选取2003年3月至2004年1月在苏州大学附属第三医院乳腺外科接受手术治疗的女性乳腺癌患者49例(均经病理诊断确认为浸润性导管癌), 检测乳腺癌组织中协同刺激分子B7 H1、B7 H3的表达以及CD3<sup>+</sup>T淋巴细胞浸润程度。结果: (1) 乳腺癌组织中B7 H1表达水平与肿瘤大小呈正相关( $P < 0.05$ )、与Her2/neu表达水平呈正相关( $P < 0.05$ )、与CD3<sup>+</sup>T淋巴细胞浸润程度呈正相关( $P < 0.05$ )。乳腺癌组织中B7 H3阳性表达率为59.18% (29/49), 其表达水平与病理分期呈正相关( $P < 0.05$ )、与患者预后呈负相关( $r = -0.3316, P < 0.05$ )。结论: 负性协同刺激分子B7 H1和B7 H3在乳腺癌组织中表达, 对该两分子的检测在乳腺癌诊断和预后判断中具有潜在的临床应用价值。

关键词: [B7-H1](#) [B7-H3](#) [CD3+T细胞](#) [乳腺癌](#)

Expression of negative costimulatory molecules B7-H1 and B7-H3 in breast cancer and their clinical

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Abstract:

Objective: To investigate the expression of negative costimulatory molecules B7 H1 and B7 H3 in breast cancer and their clinical parameters, prognosis and infiltration of CD3<sup>+</sup>T lymphocytes. Methods: Forty nine breast cancer patients diagnosed as having infiltrating ductal breast cancer histopathological were selected from Third Affiliated Hospital of Suzhou University from March 2003 to January 2004. B7 H1 and B7 H3 expression and CD3<sup>+</sup>T lymphocytes infiltration in breast cancer tissue were detected by immunohistochemistry. Results: (1) B7 H1 positive expression rate was 53.06% (26/49) in breast cancer tissue, which was positively correlated with the tumor size ( $P < 0.05$ ) and Her2/neu expression ( $P < 0.05$ ), and negatively correlated with patient's pathological stage ( $P < 0.05$ ). (2) B7 H3 positive expression rate was 59.18% (29/49) in breast cancer tissue, which was positively correlated with patient's pathological stage ( $P < 0.05$ ) and negatively with postoperative prognosis in breast cancers was positively correlated with B7 H3 expression ( $r = -0.3316, P < 0.05$ ). Conclusion: The expression of negative costimulatory molecules B7 H1 and B7 H3 in breast cancer is significantly correlated with the clinicopathological parameters and postoperative prognosis of patients. B7 H1 and B7 H3 might have a potential role in clinical diagnosis and prognosis of breast cancers.

Keywords: [B7 H1](#) [B7 H3](#) [CD3 + T lymphocyte](#) [breast cancer](#)

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