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NY-ESO-1与MAGE-A1在乳腺癌组织中的表达及意义

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Expression and Significance of Antigens NY-ESO-1 and MAGE-A1 in Breast Carcinoma Tissue

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摘要

目的

探讨NY-ESO-1与MAGE-A1在乳腺癌组织中的表达及意义。方法 健康对照者乳腺组织20例，不同病理类型及分级的病例90例，标本进行免疫组织化学SP法染色；采用Tanaka改良定量记分法测阳性率。结果 NY-ESO-1与MAGE-A1在正常乳腺组织中不表达；乳腺癌组织中NY-ESO-1与MAGE-A1阳性表达率分别为37.78%和23.33%；阳性表达与临床病理各参数不具有相关性(*P*>0.05)。结论 NY-ESO-1和MAGE-A1在乳腺癌组织中呈高特异性表达，对乳腺癌的早期诊断有一定的临床意义。

关键词： 肿瘤-睾丸抗原 MAGE-A1 NY-ESO-1 乳腺癌

Abstract:

Objective

To study the expressions of cancer/testis antigens NY-ESO-1 and MAGE-A1 in breast carcinoma tissue.MethodsAccording to pathological grade and pathologic type，90 breast cancer patients were studied,20 cases of normal breast gland as a control group.Immunohistochemical SP method was performed to detect the expression of antigens NY-ESO-1 and MAGE-A1 and the positive rate was measure by Tanaka-improved quantitative scoring method.ResultsThere was no expression in normal breast tissue.The positive expression rate of NY-ESO-1 and MAGE-A1 was 37.78% and 23.33% respectively in breast cancer tissue,and had no obvious relevance to clinical pathological features (*P*>0.05) ConclusionNY-ESO-1 and MAGE-A1 were expressed with high specificity in breast carcinoma tissue,have slightly clinical significance in diagnosis and immunotherapy of breast carcinoma.

Key words: Cancer-testis antigen MAGE-A1 NY-ESO-1 Breast cancer

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