

題名:Reduced Expression of Tocopherol-Associated Protein
(TAP/Sec14L2) in Human Breast Cancer

作者:何元順

Xi Wang; Jing Ni; Chen-Long Hsu; Sharlin Johnykutty;
Ping Tang; Yuan-Soon Ho; Chia-Hwa Lee; and Shuyuang Yeh

貢獻者:醫學檢驗暨生物技術學系

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摘要:We show that TAP/Sec14L2 had a high expression in normal/benign breast, prostate, and liver tissues as compared to lung, colon, and kidney. Its expression was downregulated in breast cancer cell lines shown by quantitative-PCR. Further, 57% of 141 human invasive breast carcinomas had no or markedly reduced TAP/Sec14L2 expression by immunohistochemical staining, and the rate increased to 80% in high grade invasive carcinomas ($p < .01$). This downregulation of TAP/Sec14L2 was also present in ductal carcinoma in situ (DCIS) associated with invasive carcinomas. These findings raise the possibility that TAP/Sec14L2 may serve as a tumor suppressor in breast carcinogenesis.