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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

TSLC1 (h): 293T Lysate: sc-116050

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Homologous to the poliovirus receptor (PVR/CD155), the nectin immunoglobulin superfamily comprises four known isoforms, Nectin 1, 2, 3 and 4 (also designated TSLC1). TSLC1 is encoded by a tumor-suppressor gene in human non-small-cell lung cancer mapping to chromosome 11q23.3. The TSLC1 protein is an N-linked membrane glycoprotein that co-localizes with the Actin filament-binding protein, afadin, at cadherin-based adherens junctions in MDCKII epithelial cells. TSLC1 also interacts with the tumor-suppressor gene product DAL-1 (for differentially expressed in adenocarcinoma of the lung protein 1) to target Actin rearragement and cellular motility. TSLC1 may also form homodimers that function in homophilic, intracellular adhesion. TSLC1 expression is reduced or absent in a number of characterized cancer cell lines including A549. In prostate and breast cancer, as well as in pancreatic ductal adenocarcinoma, the TSLC1 promoter is commonly silenced by hypermethylation. Unlike other nectins, which are more widely expressed, TSLC1 is mainly expressed in the placenta.

REFERENCES

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2. Reymond, N., et al. 2001. Nectin 4/PRR4, a new afadin-associated member of the nectin family that *trans*-interacts with Nectin 1/PRR1 through V domain interaction. J. Biol. Chem. 276: 43205-43215.
3. Allinen, M., et al. 2002. Analysis of 11q21-24 loss of heterozygosity candidate target genes in breast cancer: indications of TSLC1 promoter hypermethylation. Genes Chromosomes Cancer 34: 384-389.
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5. Jansen, M., et al. 2002. Aberrant methylation of the 5' CpG island of TSLC1 is common in pancreatic ductal adenocarcinoma and is first manifest in high-grade PanINs. Cancer Biol. Ther. 1: 293-296.
6. Masuda, M., et al. 2002. The tumor suppressor protein TSLC1 is involved in cell-cell adhesion. J. Biol. Chem. 277: 31014-31019.
7. Mizoguchi, A., et al. 2002. Nectin: an adhesion molecule involved in formation of synapses. J. Cell Biol. 156: 555-565.
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CHROMOSOMAL LOCATION

Genetic locus: CADM1 (human) mapping to 11q23.3.

PRODUCT

TSLC1 (h): 293T Lysate represents a lysate of human TSLC1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

APPLICATIONS

TSLC1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive TSLC1 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.