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TSPAN1 (h2): 293T Lysate: sc-178095

BACKGROUND

Tetraspanins are a group of hydrophobic membrane proteins that interact with a wide variety of proteins including intracellular signaling molecules, integrins and membrane receptors. Members of the tetraspanin family are characterized by the presence of four hydrophobic domains and play a role in cell development, activation, growth and motility. TSPAN1 (tetraspanin 1), also known as NET1, TM4C or TM4SF, is a 241 amino acid multi-pass membrane protein that localizes to the lysosome membrane. Overexpressed in many human cancers, TSPAN1 is suggested to play an important role in colon cancer progression and in gastric cancer cell migration and invasion. TSPAN1 may also be an important breast cancer suppressor gene. The gene encoding TSPAN1 is located on human chromosome 1p34.1. Chromosome 1 spans about 260 million base pairs, makes up 8% of the human genome and contains approximately 3,000 genes.

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CHROMOSOMAL LOCATION

Genetic locus: TSPAN1 (human) mapping to 1p34.1.

PRODUCT

TSPAN1 (h2): 293T Lysate represents a lysate of human TSPAN1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

TSPAN1 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive TSPAN1 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.

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.

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.