

NET-7 (J-22): sc-133812

BACKGROUND

NET-7, also known as TSPAN15 (tetraspanin 15) or TM4SF15 (transmembrane 4 superfamily member 15), is a 294 amino acid multi-pass membrane protein that belongs to the transmembrane 4 superfamily, also known as the tetraspanin family. Members of the tetraspanin family are cell-surface proteins that are characterized by the presence of four hydrophobic domains and mediate signal transduction events that play a role in the regulation of cell development, activation, growth, motility, differentiation and cancer. Considered molecular facilitators, tetraspanin proteins may regulate vesicle fusion and fission.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: TSPAN15 (human) mapping to 10q21.3; Tspan15 (mouse) mapping to 10 B4.

SOURCE

NET-7 (J-22) is an affinity purified rabbit polyclonal antibody raised against synthetic NET-7 peptide of human origin.

PRODUCT

Each vial contains 50 µg IgG in 500 µl PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

NET-7 (J-22) is recommended for detection of NET-7 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for NET-7 siRNA (h): sc-90664, NET-7 siRNA (m): sc-154725, NET-7 shRNA Plasmid (h): sc-90664-SH, NET-7 shRNA Plasmid (m): sc-154725-SH, NET-7 shRNA (h) Lentiviral Particles: sc-90664-V and NET-7 shRNA (m) Lentiviral Particles: sc-154725-V.

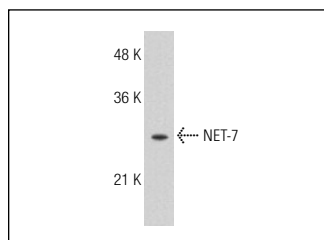
Molecular Weight of NET-7: 33 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

DATA



NET-7 (J-22): sc-133812. Western blot analysis of NET-7 expression in Hep G2 whole cell lysate.

RESEARCH USE

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

PROTOCOLS

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