

SNX10 (1G5): sc-293380

BACKGROUND

Sorting nexin (SNX) proteins are members of a large family of hydrophilic PX (phospholipid-binding motif) domain-containing proteins that interact with a variety of receptor types. SNXs are widely expressed, although the tissue distribution of each SNX mRNA varies. The ability of SNXs to bind specific phospholipids, as well as their tendency to form protein-protein complexes, suggests a role for these proteins in cellular membrane trafficking and protein sorting. SNXs may also function specifically in pro-degradative sorting, internalization, endosomal recycling or simply in endosomal sorting. SNX10 (sorting nexin-10) is a 201 amino acid protein that contains one phox domain and belongs to the SNX family. Like other members of the SNX family, SNX10 is thought to play a role in intracellular trafficking events throughout the cell.

REFERENCES

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4. Kerr, M.C., et al. 2006. Visualisation of macropinosome maturation by the recruitment of sorting nexins. *J. Cell Sci.* 119: 3967-3980.
5. Jürgens, G., et al. 2007. The high road and the low road: trafficking choices in plants. *Cell* 130: 977-979.
6. Verges, M. 2007. Retromer and sorting nexins in development. *Front. Biosci.* 12: 3825-3851.
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CHROMOSOMAL LOCATION

Genetic locus: SNX10 (human) mapping to 7p15.2.

SOURCE

SNX10 (1G5) is a mouse monoclonal antibody raised against amino acids 1-201 of SNX10 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

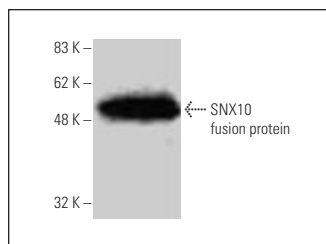
SNX10 (1G5) is recommended for detection of SNX10 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for SNX10 siRNA (h): sc-89345, SNX10 shRNA Plasmid (h): sc-89345-SH and SNX10 shRNA (h) Lentiviral Particles: sc-89345-V.

Molecular Weight (predicted) of SNX10: 24 kDa.

Molecular Weight (observed) of SNX10: 27 kDa.

DATA



SNX10 (1G5): sc-293380. Western blot analysis of human recombinant SNX10 fusion protein.

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.