

SNX10 (S-13): sc-104657

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.
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CHROMOSOMAL LOCATION

Genetic locus: SNX10 (human) mapping to 7p15.2; Snx10 (mouse) mapping to 6 B3.

SOURCE

SNX10 (S-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SNX10 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-104657 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SNX10 (S-13) is recommended for detection of SNX10 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)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other SNX family members.

SNX10 (S-13) is also recommended for detection of SNX10 in additional species, including equine, canine, bovine, porcine and avian.

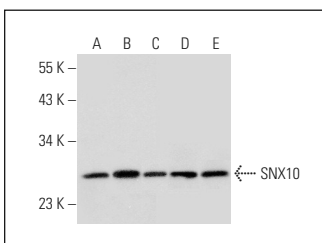
Suitable for use as control antibody for SNX10 siRNA (h): sc-89345, SNX10 siRNA (m): sc-106556, SNX10 shRNA Plasmid (h): sc-89345-SH, SNX10 shRNA Plasmid (m): sc-106556-SH, SNX10 shRNA (h) Lentiviral Particles: sc-89345-V and SNX10 shRNA (m) Lentiviral Particles: sc-106556-V.

Molecular Weight (predicted) of SNX10: 24 kDa.

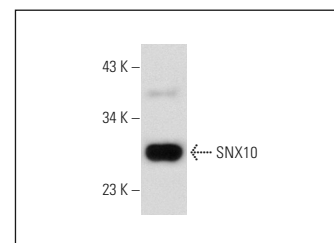
Molecular Weight (observed) of SNX10: 27 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201, HeLa whole cell lysate: sc-2200 or Hep G2 cell lysate: sc-2227.

DATA



SNX10 (S-13): sc-104657. Western blot analysis of SNX10 expression in Hep G2 (A), HeLa (B) and Jurkat (C) whole cell lysates and mouse kidney (D) and rat heart (E) tissue extracts.



SNX10 (S-13): sc-104657. Western blot analysis of SNX10 expression in A-431 whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. 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 or our catalog for detailed protocols and support products.

MONOS
Satisfaction
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Try **SNX10 (1G5): sc-293380**, our highly recommended monoclonal alternative to SNX10 (S-13).