

SNX11 (D-17): sc-138629

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. SNX11 (Sorting nexin-11) is a 270 amino acid protein that contains one PX domain and is likely involved in several stages of intracellular trafficking.

REFERENCES

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2. Worby, C.A., Dixon, J.E. 2002. Sorting out the cellular functions of sorting nexins. *Nat. Rev. Mol. Cell Biol.* 3: 919-931.
3. Kerr, M.C., Lindsay, M.R., Luetterforst, R., Hamilton, N., Simpson, F., Parton, R.G., Gleeson and P.A., Teasdale, R.D. 2006. Visualisation of macropinosome maturation by the recruitment of sorting nexins. *J. Cell Sci.* 119: 3967-3980.
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5. Verges, M. 2007. Retromer and sorting nexins in development. *Front. Biosci.* 12: 3825-3851.
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CHROMOSOMAL LOCATION

Genetic locus: SNX11 (human) mapping to 17q21.32; Snx11 (mouse) mapping to 11 D.

SOURCE

SNX11 (D-17) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of SNX11 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-138629 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

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.

APPLICATIONS

SNX11 (D-17) is recommended for detection of SNX11 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:50-1:500), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:25, dilution range 1:25-1:250) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with other SNX family members.

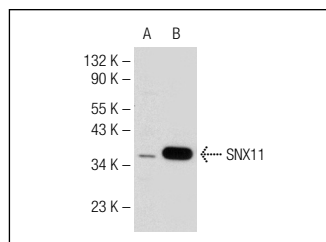
SNX11 (D-17) is also recommended for detection of SNX11 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for SNX11 siRNA (h): sc-93775, SNX11 siRNA (m): sc-153663, SNX11 shRNA Plasmid (h): sc-93775-SH, SNX11 shRNA Plasmid (m): sc-153663-SH, SNX11 shRNA (h) Lentiviral Particles: sc-93775-V and SNX11 shRNA (m) Lentiviral Particles: sc-153663-V.

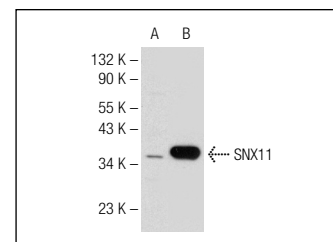
Molecular Weight of SNX11: 30 kDa.

Positive Controls: SNX11 (h): 293T Lysate: sc-111740 or SNX11 (m): 293T Lysate: sc-126029.

DATA



SNX11 (D-17): sc-138629. Western blot analysis of SNX11 expression in non-transfected: sc-117752 (A) and human SNX11 transfected: sc-111740 (B) 293T whole cell lysates.



SNX11 (D-17): sc-138629. Western blot analysis of SNX11 expression in non-transfected: sc-117752 (A) and mouse SNX11 transfected: sc-126029 (B) 293T whole cell lysates.

PROTOCOLS

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



Try **SNX11 (2G1): sc-517102**, our highly recommended monoclonal alternative to SNX11 (D-17).