

# SNX11 (2G1): sc-517102



The Power to Question

## 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

1. Teasdale, R.D., et al. 2001. A large family of endosome-localized proteins related to sorting nexin 1. *Biochem. J.* 358: 7-16.
2. Worby, C.A., et al. 2002. Sorting out the cellular functions of sorting nexins. *Nat. Rev. Mol. Cell Biol.* 3: 919-931.
3. Kerr, M.C., et al. 2006. Visualisation of macropinosome maturation by the recruitment of sorting nexins. *J. Cell Sci.* 119: 3967-3980.
4. Jürgens, G., et al. 2007. The high road and the low road: trafficking choices in plants. *Cell* 130: 977-979.
5. Verges, M. 2007. Retromer and sorting nexins in development. *Front. Biosci.* 12: 3825-3851.

## CHROMOSOMAL LOCATION

Genetic locus: SNX11 (human) mapping to 17q21.32.

## SOURCE

SNX11 (2G1) is a mouse monoclonal antibody raised against amino acids 1-270 representing full length SNX11 of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>2a</sub> kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

SNX11 (2G1) is recommended for detection of SNX11 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 SNX11 siRNA (h): sc-93775, SNX11 shRNA Plasmid (h): sc-93775-SH and SNX11 shRNA (h) Lentiviral Particles: sc-93775-V.

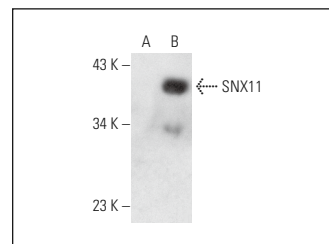
Molecular Weight of SNX11: 30 kDa.

Positive Controls: SNX11 (h): 293T Lysate: sc-111740 or SNX11 transfected 293T whole cell lysate.

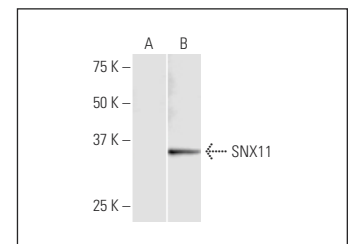
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 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



SNX11 (2G1): sc-517102. Western blot analysis of SNX11 expression in non-transfected: sc-117752 (A) and human SNX11 transfected: sc-111740 (B) 293T whole cell lysates.



SNX11 (2G1): sc-517102. Western blot analysis of SNX11 expression in non-transfected (A) and SNX11 transfected (B) 293T whole cell lysates.

## 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](http://www.scbt.com) for detailed protocols and support products.