

SNX26 (N-14): sc-240909

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. SNX26 (sorting nexin family member 2), also known as ARHGAP33 (Rho GTPase activating protein 33), TCGAP or NOMA-GAP, is a 1,287 amino acid protein that belongs to the PX domain-containing GAP family and exists as 4 alternatively spliced isoforms. Containing a PX (phox homology) domain, a Rho-GAP domain and an SH3 domain, SNX26 may participate in several stages of intracellular trafficking and is thought to play an important role in the regulation of glucose transport by Insulin.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ARHGAP33 (human) mapping to 19q13.12; Arhgap33 (mouse) mapping to 7 B1.

SOURCE

SNX26 (N-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of SNX26 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-240909 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SNX26 (N-14) is recommended for detection of SNX26 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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.

Suitable for use as control antibody for SNX26 siRNA (h): sc-97845, SNX26 siRNA (m): sc-153672, SNX26 shRNA Plasmid (h): sc-97845-SH, SNX26 shRNA Plasmid (m): sc-153672-SH, SNX26 shRNA (h) Lentiviral Particles: sc-97845-V and SNX26 shRNA (m) Lentiviral Particles: sc-153672-V.

Molecular Weight of SNX26 isoforms 1/2: 137/120 kDa.

Molecular Weight of SNX26 isoforms 3/4: 121/27 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

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.