

# SNX19 (P-17): sc-49132

## 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. SNXs partially associate with cellular membranes, despite their hydrophilic nature. The SNX19 protein is specifically involved in protein metabolism and is commonly overexpressed in hematologic neoplasms.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: SNX19 (human) mapping to 11q24.3; Snx19 (mouse) mapping to 9 A4.

## SOURCE

SNX19 (P-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of SNX19 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-49132 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

## APPLICATIONS

SNX19 (P-17) is recommended for detection of SNX19 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).

SNX19 (P-17) is also recommended for detection of SNX19 in additional species, including porcine.

Suitable for use as control antibody for SNX19 siRNA (h): sc-61589, SNX19 siRNA (m): sc-61590, SNX19 shRNA Plasmid (h): sc-61589-SH, SNX19 shRNA Plasmid (m): sc-61590-SH, SNX19 shRNA (h) Lentiviral Particles: sc-61589-V and SNX19 shRNA (m) Lentiviral Particles: sc-61590-V.

Molecular Weight of SNX19: 109 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](http://www.scbt.com) or our catalog for detailed protocols and support products.


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Try **SNX19 (B-1): sc-377404**, our highly recommended monoclonal alternative to SNX19 (P-17).