SNX32 (N-15): sc-324323



The Power to Question

BACKGROUND

SNX32 (sorting nexin-32), also known as SNX6B (sorting nexin-6B), is a 403 amino acid protein that contains one PX (phox homology) domain and belongs to the sorting nexin family. Existing as two alternatively spliced isoforms, SNX32 may be involved in several stages of intracellular trafficking. The gene that encodes SNX32 consists of approximately 23,256 bases and maps to human chromosome 11q13.1. Housing over 1,400 genes and comprising nearly 4% of the human genome, chromosome 11 is considered a gene and disease association-dense chromosome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that map to chromosome 11. In addition, the blood disorders Sickle cell anemia and thalassemia are caused by mutations in the HBB gene, which is located on chromosome 11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SNX32 (human) mapping to 11q13.1.

SOURCE

SNX32 (N-15) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of SNX32 of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

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

Blocking peptide available for competition studies, sc-324323 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SNX32 (N-15) is recommended for detection of SNX32 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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.

Suitable for use as control antibody for SNX32 siRNA (h): sc-96522, SNX32 shRNA Plasmid (h): sc-96522-SH and SNX32 shRNA (h) Lentiviral Particles: sc-96522-V

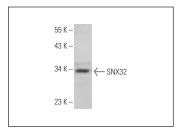
Molecular Weight of SNX32 isoforms: 46/31 kDa.

Positive Controls: U-87 MG cell lysate: sc-2411.

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) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) 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.

DATA



SNX32 (N-15): sc-324323. Western blot analysis of SNX32 expression in U-87 MG whole cell lysate.

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.