SNX12 (N-12): sc-169384



The Power to Question

BACKGROUND

SNX12 (sorting nexin 12) is a 172 amino acid member of the sorting nexin (SNX) family of hydrophilic proteins that interact with a variety of receptors and are involved in intracellular trafficking events. Like other members of the sorting nexin family, SNX12 contains one phox (PX) domain which is a conserved motif that functions in phosphoinositide binding, signal transduction, growth factor receptor degradation and NADPH oxidase activity. Via its PX domain, SNX12 is thought to be involved in multiple stages of intracellular trafficking and endocytosis through membranous compartments. Two isoforms of SNX12 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SNX12 (human) mapping to Xq13.1; Snx12 (mouse) mapping to X C3.

SOURCE

SNX12 (N-12) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of SNX12 of human origin.

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-169384 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

SNX12 (N-12) is recommended for detection of SNX12 of mouse, rat and 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.

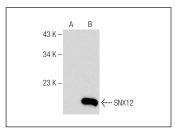
SNX12 (N-12) is also recommended for detection of SNX12 in additional species, including canine, bovine, porcine and avian.

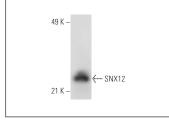
Suitable for use as control antibody for SNX12 siRNA (h): sc-90944, SNX12 siRNA (m): sc-153664, SNX12 shRNA Plasmid (h): sc-90944-SH, SNX12 shRNA Plasmid (m): sc-153664-SH, SNX12 shRNA (h) Lentiviral Particles: sc-90944-V and SNX12 shRNA (m) Lentiviral Particles: sc-153664-V.

Molecular Weight of SNX12: 20 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, SNX12 (m): 293T Lysate: sc-123690 or rat pancreas extract: sc-364806.

DATA





SNX12 (N-12): sc-169384. Western blot analysis of SNX12 expression in non-transfected: sc-117752 (**A**) and mouse SNX12 transfected: sc-123690 (**B**) 293T whole cell lysates.

SNX12 (N-12): sc-169384. Western blot analysis of SNX12 expression in rat pancreas tissue extract.

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.



Try **SNX12 (42-Y):** sc-101308, our highly recommended monoclonal alternative to SNX12 (N-12).

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