

SNX12 (42-Y): sc-101308

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.

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CHROMOSOMAL LOCATION

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

SOURCE

SNX12 (42-Y) is a mouse monoclonal antibody raised against recombinant SNX12 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2a} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

SNX12 (42-Y) 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 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 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.

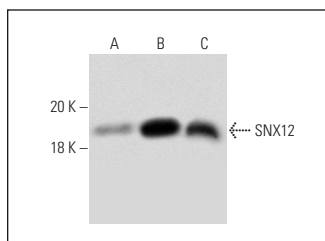
Molecular Weight of SNX12: 20 kDa.

Positive Controls: SNX12 (m): 293T Lysate: sc-123690, SNX12 (h): 293 Lysate: sc-112745 or HeLa whole cell lysate: sc-2200.

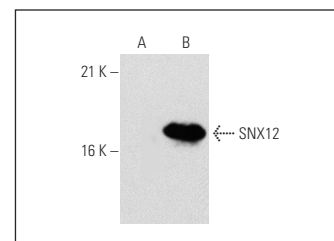
RECOMMENDED SUPPORT REAGENTS

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, 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).

DATA



SNX12 (42-Y): sc-101308. Western blot analysis of SNX12 expression in non-transfected 293T: sc-117752 (A), mouse SNX12 transfected 293T: sc-123690 (B) and HeLa (C) whole cell lysates.



SNX12 (42-Y): sc-101308. Western blot analysis of SNX12 expression in non-transfected: sc-110760 (A) and human SNX12 transfected: sc-112745 (B) 293 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 for detailed protocols and support products.