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SNX15 (m): 293T Lysate: sc-123692

BACKGROUND

Sorting nexin proteins (SNX) are members of a large family of hydrophilic proteins that interact with a variety of receptor types, contain a characteristic phox homology (PX) domain and are involved in intracellular trafficking. SNX15 encodes a deduced 342 amino acid protein, as well as a 256 amino acid splice variant known as SNX15A. Highest expression of SNX15 is observed in skeletal muscle, heart, brain, kidney, spleen, thymus and small intestine tissues. Endogenous and overexpressed SNX15 localize on membranes and in the cytosol. SNX15 associates with itself as well as with SNX1, SNX2, SNX4 and platelet-derived growth factor receptor (PDGFR). Overexpression of SNX15 leads to a decrease in the processing of Insulin and hepatocyte growth factor receptors to their mature subunits, and also results in the mislocalization of Furin, the endoprotease accountable for cleavage of Insulin and hepatocyte growth factor receptors.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Snx15* (mouse) mapping to 19 A.

PRODUCT

SNX15 (m): 293T Lysate represents a lysate of mouse SNX15 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.

APPLICATIONS

SNX15 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SNX15 antibodies. Recommended use: 10-20 µl per lane.

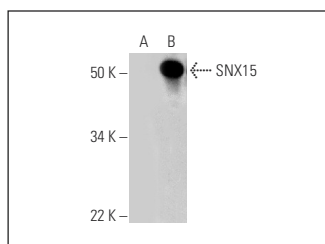
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

SNX15 (B-8): sc-393430 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse SNX15 expression in SNX15 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

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, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



SNX15 (B-8): sc-393430. Western blot analysis of SNX15 expression in non-transfected: sc-117752 (A) and mouse SNX15 transfected: sc-123692 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.