

Syntaxin 11 (H-120): sc-292443

BACKGROUND

Syntaxins, a family of proteins involved in the fusion of synaptic vesicles with the plasma membrane, display broad tissue distribution and contain C-terminal hydrophobic domains that direct them to their respective intracellular compartments. Syntaxin 11, also known as STX11, FHL4, HLH4 or HPLH4 is a 287 amino acid protein that contains one t-SNARE coiled-coil homology domain and localizes to the membrane of the *trans*-Golgi network. Interacting with SNAP 23 and VAMP, Syntaxin 11 functions to regulate protein transport between the *trans*-Golgi network and late endosomes. Defects in the gene encoding Syntaxin 11 are the cause of familial hemophagocytic lymphohistiocytosis type 4 (FHL4), a genetically heterogeneous autosomal recessive disorder that is characterized by fever, hepatosplenomegaly, cytopenia, hypertriglyceridemia, hypofibrinogenemia, seizures, cranial nerve deficits and ataxia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: STX11 (human) mapping to 6q24.2; Stx11 (mouse) mapping to 10 A1.

SOURCE

Syntaxin 11 (H-120) is a rabbit polyclonal antibody raised against amino acids 147-266 mapping near the C-terminus of Syntaxin 11 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.

APPLICATIONS

Syntaxin 11 (H-120) is recommended for detection of Syntaxin 11 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)], 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).

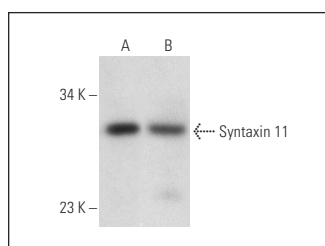
Syntaxin 11 (H-120) is also recommended for detection of Syntaxin 11 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for Syntaxin 11 siRNA (h): sc-95389, Syntaxin 11 siRNA (m): sc-153991, Syntaxin 11 shRNA Plasmid (h): sc-95389-SH, Syntaxin 11 shRNA Plasmid (m): sc-153991-SH, Syntaxin 11 shRNA (h) Lentiviral Particles: sc-95389-V and Syntaxin 11 shRNA (m) Lentiviral Particles: sc-153991-V.

Molecular Weight of Syntaxin 11: 35 kDa.

Positive Controls: mouse placenta extract: sc-364247, Jurkat whole cell lysate: sc-2204 or RAW 264.7 whole cell lysate: sc-2211.

DATA



Syntaxin 11 (H-120): sc-292443. Western blot analysis of Syntaxin 11 expression in Jurkat (A) and RAW 264.7 (B) 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 or our catalog for detailed protocols and support products.

MONOS
Satisfaction
Guaranteed

Try **Syntaxin 11 (A-4): sc-377121**, our highly recommended monoclonal alternative to Syntaxin 11 (H-120).