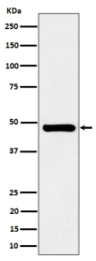
SNX5 Antibody / Sorting nexin 5 [clone 30S11] (FY12127)

Catalog No.	Formulation	Size
FY12127	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	30S11
Purity	Affinity-chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	Q9Y5X3
Applications	Western blot: 1:500-1:2000 Immunohistochemistry: 1:50-1:200 Immunocytochemistry/Immunofluorescence: 1:50-1:200
Limitations	This SNX5 antibody is available for research use only.



Western blot analysis of SNX5 expression in Jurkat cell lysate using SNX5 antibody.

Description

SNX5 antibody detects sorting nexin 5, a member of the sorting nexin family that regulates endosomal trafficking and

membrane remodeling. SNX5 contains a phox homology (PX) domain, which binds phosphoinositides on endosomal membranes, and a BAR domain, which promotes membrane curvature and tubulation. Together, these domains allow SNX5 to coordinate cargo retrieval from endosomes and direct proteins to specific intracellular destinations.

Research using SNX5 antibody has shown that SNX5 participates in the retromer complex, where it cooperates with other sorting nexins such as SNX1 and SNX2 to mediate retrograde transport of receptors and enzymes. Disruption of SNX5 function impairs recycling of critical cargo such as cation-independent mannose-6-phosphate receptors, affecting lysosomal enzyme trafficking. These defects can contribute to lysosomal storage disorders and cellular stress responses.

SNX5 has also been linked to viral infection and cancer biology. Certain viruses exploit SNX5-mediated endosomal pathways to promote entry and replication, while altered expression of SNX5 in cancer may influence cell signaling, proliferation, and migration. Its role in trafficking growth factor receptors underscores its significance in tumor biology. In immune cells, SNX5 contributes to antigen presentation by regulating transport of major histocompatibility complex molecules.

Antibodies against SNX5 are validated for western blot, immunohistochemistry, and immunofluorescence. These tools enable analysis of protein expression, intracellular localization, and retromer function. Clone-based antibodies ensure specificity, distinguishing SNX5 from other sorting nexins with overlapping roles.

NSJ Bioreagents provides this SNX5 antibody to support studies in endosomal trafficking, retromer biology, and disease pathways.

Application Notes

Optimal dilution of the SNX5 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human SNX5 was used as the immunogen for the SNX5 antibody.

Storage

Store the SNX5 antibody at -20oC.

Copyright © NSJ Bioreagents. All rights reserved.