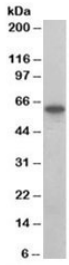
Sorting Nexin 9 Antibody / SH3PX1 Antibody (R34216)

Catalog No.	Formulation	Size
R34216-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Dog
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	51429
Applications	Western blot: 0.1-0.3ug/ml ELISA (peptide) LOD: 1:1000
Limitations	This Sorting Nexin 9 Antibody / SH3PX1 Antibody is available for research use only.



Sorting Nexin 9 Antibody Human Placenta WB. Western blot testing of human placenta tissue lysate with Sorting Nexin 9 Antibody at 0.1 ug/ml. Predicted molecular weight: ~67 kDa, with SNX9 commonly observed between 67-78 kDa due to post-translational modification and gel migration differences. Sorting Nexin 9 Antibody / SH3PX1 Antibody detects a major band consistent with SNX9 expression and supports studies of endocytosis, vesicle formation, membrane remodeling and intracellular trafficking pathways.

Description

Sorting Nexin 9 Antibody / SH3PX1 Antibody detects a multidomain member of the sorting nexin family that functions in endocytosis, membrane remodeling and intracellular trafficking. Sorting Nexin 9, also known as SNX9 or SH3PX1, contains an SH3 domain, PX domain and BAR domain that allow it to coordinate interactions between membrane lipids, endocytic proteins and cytoskeletal regulators. Through these structural domains, SNX9 contributes to membrane curvature formation, vesicle generation and actin-associated remodeling events that support cellular transport pathways.

The protein is widely studied as an adaptor connecting membrane trafficking mechanisms with dynamic changes in cellular architecture.

Sorting Nexin 9 participates in clathrin-mediated endocytosis by helping recruit and organize proteins required for vesicle budding and membrane fission. It interacts with factors such as dynamin and actin regulatory proteins to promote efficient cargo internalization and movement through intracellular pathways. Because membrane trafficking regulates receptor availability and signal duration, SNX9 is important in research focused on cell communication, receptor recycling and signaling pathway modulation. Sorting Nexin 9 Antibody is used to study these processes in models investigating vesicle transport, cytoskeletal regulation and cellular organization.

Research on SNX9 and SH3PX1 has demonstrated connections between endocytic regulation, cell movement and disease-related cellular changes. By influencing actin remodeling and membrane organization, SNX9 has been investigated in studies involving migration, invasion, cancer biology and other processes requiring coordinated changes in cell structure. Sorting Nexin family proteins also provide insight into mechanisms controlling intracellular sorting, membrane identity and protein localization within cells.

Sorting Nexin 9 Antibody applications include detection of SNX9 expression, localization and pathway regulation in biological research samples. Analysis of this endocytic adaptor protein helps researchers investigate vesicle formation, intracellular trafficking and cytoskeleton-associated membrane dynamics. NSJ Bioreagents provides Sorting Nexin 9 Antibody / SH3PX1 Antibody for studies focused on endocytosis regulation, membrane remodeling and the molecular mechanisms controlling cellular transport pathways.

Sorting Nexin 9 Antibody detects the SNX9/SH3PX1 protein involved in membrane remodeling, cytoskeletal regulation and vesicle formation; additional endocytosis and intracellular transport research tools are available on our SNX9 Antibody / Endocytic Trafficking Protein Antibody page.

Application Notes

Optimal dilution of the Sorting Nexin 9 Antibody / SH3PX1 Antibody should be determined by the researcher.

Immunogen

Amino acids HKGAIEKVKESDK were used as the immunogen for this SNX9 / Sorting Nexin 9 antibody.

Storage

Aliquot and store the SNX9 / Sorting Nexin 9 antibody at -20oC.

Alternate Names

SNX9 Antibody, SH3PX1 Antibody, SDP1 Antibody, SH3 and PX Domain Protein Antibody, Sorting Nexin Family Protein Antibody, Endocytic Adaptor Protein Antibody

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