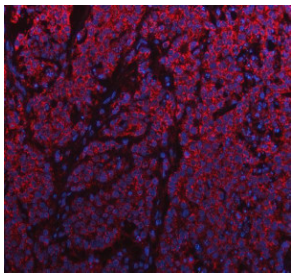
SNX9 Antibody / Endocytic Trafficking Protein Antibody (RQ7745)

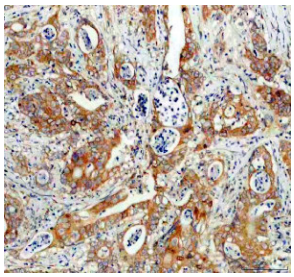
Catalog No.	Formulation	Size
RQ7745	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

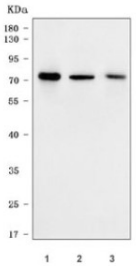
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y5X1
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Immunofluorescence: 5ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SNX9 Antibody / Endocytic Trafficking Protein Antibody is available for research use only.



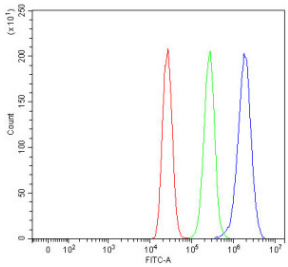
SNX9 Antibody Human Intestine Cancer IF. Immunofluorescent staining of FFPE human intestine cancer tissue with SNX9 Antibody at 5 ug/ml. HIER was performed using pH 8 EDTA buffer, followed by blocking with 10% goat serum. The tissue section was incubated with rabbit anti-SNX9 antibody overnight at 4Â°C, followed by Cy conjugated goat anti-rabbit IgG secondary antibody (red). Nuclei were counterstained with DAPI (blue). SNX9 Antibody, an endocytic trafficking protein marker, demonstrates cytoplasmic staining consistent with its role in vesicle transport, membrane remodeling and intracellular trafficking pathways.



SNX9 Antibody Human Colon Cancer IHC. IHC staining of FFPE human colon cancer tissue with SNX9 Antibody at 2 ug/ml. HIER was performed using pH 8 EDTA buffer, followed by blocking with 10% goat serum. The tissue section was incubated with rabbit anti-SNX9 antibody overnight at 4Â°C, followed by HRP-conjugated goat anti-rabbit IgG secondary antibody and DAB chromogen detection. SNX9 Antibody, an endocytic trafficking protein marker, shows cytoplasmic staining in tumor cells consistent with its role in membrane remodeling, vesicle transport and intracellular trafficking regulation.



SNX9 Antibody Human Cell and Tissue WB. Western blot testing of human K562, 293T and placenta tissue lysates with SNX9 Antibody. Lane 1: K562 lysate; Lane 2: 293T lysate; Lane 3: human placenta tissue lysate. Predicted molecular weight: ~67 kDa, with SNX9 commonly observed between 67â€“78 kDa due to post-translational modification and gel migration differences. SNX9 Antibody, an endocytic trafficking protein marker, detects a major band consistent with Sorting Nexin 9 expression and supports studies of vesicle transport, membrane remodeling and intracellular trafficking pathways.



SNX9 Antibody Human Breast Cancer Cell FACS. Flow cytometry testing of human MCF7 cells with SNX9 Antibody at 1 ug/million cells. Cells were blocked with goat serum prior to incubation with the primary antibody. Red histogram represents cells alone, green represents isotype control and blue represents SNX9 antibody staining. SNX9 Antibody, an endocytic trafficking protein marker, demonstrates positive detection of Sorting Nexin 9 expression in MCF7 cells and supports analysis of membrane remodeling, vesicle transport and intracellular trafficking pathways.

Description

SNX9 Antibody / Endocytic Trafficking Protein Antibody detects Sorting Nexin 9, a multifunctional adaptor protein involved in clathrin-mediated endocytosis, membrane remodeling, vesicle trafficking and cytoskeletal regulation. SNX9 belongs to the sorting nexin protein family and contains an SH3 domain, a PX domain and a BAR domain, allowing it to interact with phosphoinositide-containing membranes, signaling proteins and cytoskeletal regulatory factors. Through these domains, SNX9 helps coordinate membrane curvature formation, vesicle budding and actin polymerization events that are required for efficient intracellular transport. Its ability to connect membrane dynamics with the actin cytoskeleton has made Sorting Nexin 9 an important marker for studies focused on endocytic regulation, cellular organization and protein trafficking pathways.

SNX9 plays a central role in the formation and maturation of endocytic vesicles by recruiting and regulating proteins required for membrane fission and remodeling. It interacts with dynamin and additional components of the endocytic machinery to support vesicle release from the plasma membrane and proper intracellular cargo movement. SNX9 also participates in actin filament regulation by interacting with proteins involved in cytoskeletal assembly, helping cells control changes in morphology, adhesion and migration. Because receptor internalization influences downstream signaling responses, SNX9 is frequently investigated in studies involving growth factor signaling, receptor trafficking and cellular communication. SNX9 Antibody is commonly used by researchers examining how membrane transport pathways influence normal cellular processes and disease-associated signaling changes.

Research involving SNX9 has expanded into areas such as cancer biology, cell motility, immune signaling and membrane-associated pathway regulation. Changes in endocytosis and vesicle trafficking can affect receptor recycling, signal duration and the localization of important regulatory proteins. SNX9-mediated control of actin remodeling has also connected this protein to studies of invasive behavior, cell movement and structural reorganization. As a member of the broader sorting nexin family, SNX9 provides insight into the molecular mechanisms that regulate intracellular protein sorting, membrane identity and communication between organelles. These functions make SNX9 Antibody a valuable tool for studying the relationship between membrane remodeling, intracellular trafficking and cellular function.

SNX9 Antibody applications include analysis of Sorting Nexin 9 expression, localization and regulation in biological samples using techniques such as Western blot, immunohistochemistry, immunofluorescence and flow cytometry. Antibody-based detection of SNX9 allows researchers to investigate endocytic pathways, cytoskeletal interactions and signaling networks associated with membrane dynamics. By supporting the study of a key adaptor protein linking vesicle formation with actin regulation, NSJ Bioreagents provides SNX9 Antibody / Endocytic Trafficking Protein Antibody for researchers exploring cell biology, membrane trafficking and intracellular signaling mechanisms.

SNX9 Antibody detects a sorting nexin family protein involved in endocytosis, vesicle trafficking and membrane remodeling, making it a useful marker for researchers studying intracellular transport pathways featured in our Cell Biology Antibodies page.

Application Notes

Optimal dilution of the SNX9 Antibody / Endocytic Trafficking Protein Antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids F211-Q573) was used as the immunogen for the Sorting nexin 9 / SNX9 antibody.

Storage

After reconstitution, the Sorting nexin 9 / SNX9 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

Sorting Nexin 9 Antibody, SH3PX1 Antibody, SDP1 Antibody, SH3 and PX Domain Protein Antibody, Endocytic Adaptor Protein Antibody, Sorting Nexin Family Protein Antibody

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