

SNX1 Rabbit mAb

Catalog No: #49965

Package Size: #49965-1 50ul #49965-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

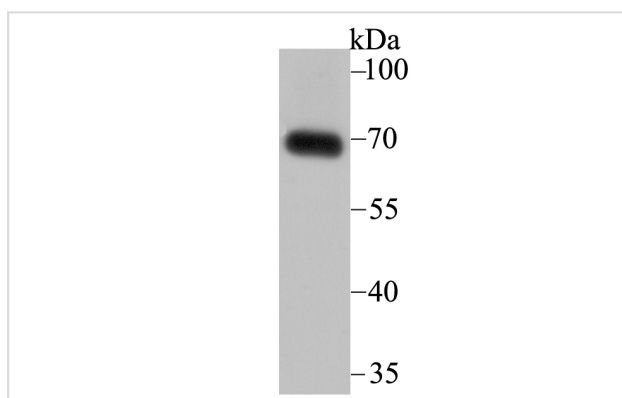
Description

Product Name	SNX1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG40-06
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within human SNX1 aa 50-250.
Other Names	HsT17379 antibody MGC8664 antibody SNX 1 antibody SNX 1a antibody Snx1 antibody SNX1_HUMAN antibody SNX1A antibody Sorting nexin 1 antibody Sorting nexin 1A antibody Sorting nexin-1 antibody Vps5 antibody
Accession No.	Swiss-Prot#:Q13596
Uniprot	Q13596
GeneID	6642;
Calculated MW	63 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

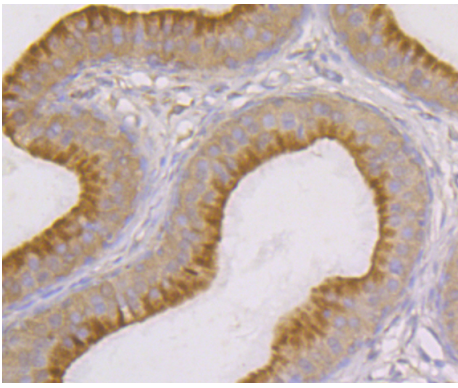
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC/IF: 1:50-1:200FC: 1:50-1:100

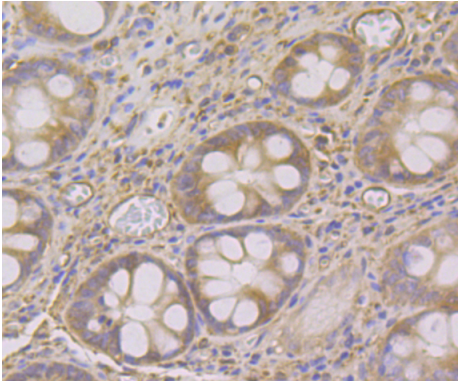
Images



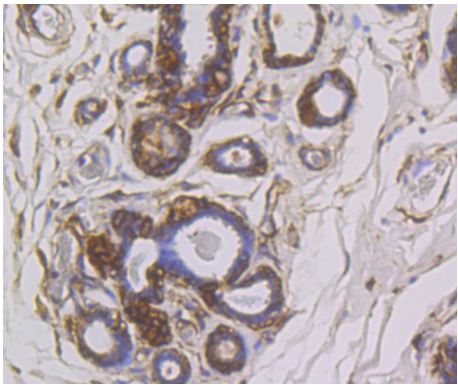
Western blot analysis of SNX1 on human skin tissue lysate using anti-SNX1 antibody at 1/2,000 dilution.



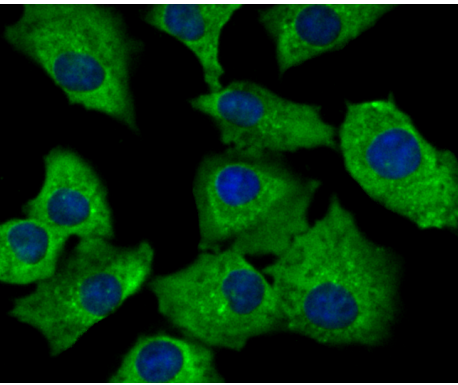
Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-SNX1 antibody. Counter stained with hematoxylin.



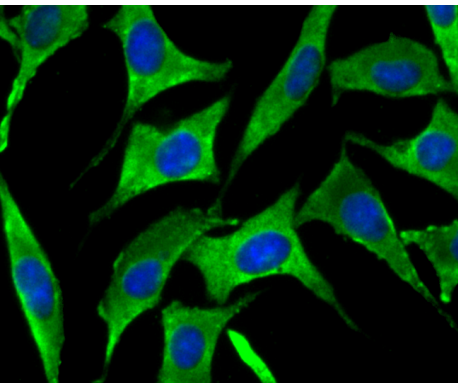
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-SNX1 antibody. Counter stained with hematoxylin.



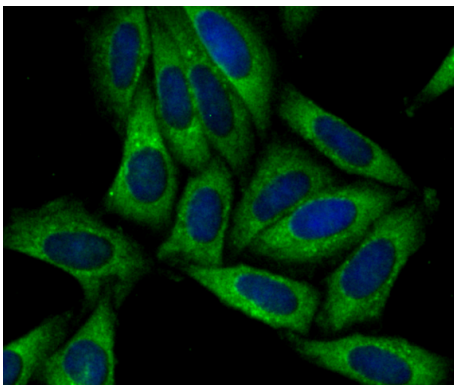
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-SNX1 antibody. Counter stained with hematoxylin.



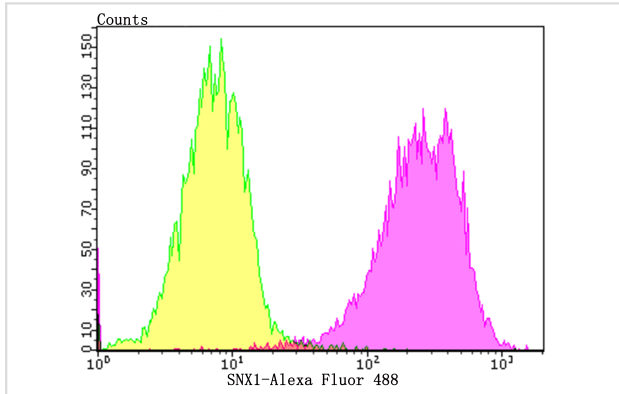
ICC staining SNX1 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SNX1 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SNX1 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SiHa cells with SNX1 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Sorting nexin 1 (SNX1) is a member of a large family of hydrophilic proteins that interact with a variety of receptor types and are involved in intracellular trafficking. SNX1 and the related splice variant, SNX1A, bind the epidermal growth factor (EGF) receptor, facilitate its transport to lysosome, and thereby contribute to the degradation of the receptor. SNX2 and SNX4 share a high degree of amino acid similarity with SNX1, as they all contain a characteristic phox homology (PX) domain. These proteins are all partially associated with cellular membranes, and they, likewise, associate with EGF, PDGF and insulin receptor tyrosine kinases. These nexins are widely expressed and yet have various tissue distribution patterns. Additionally, the sorting nexins can associate with each other and with a variety of other cellular proteins, suggesting that they exist as part of multisubunit complexes. The related protein, SNX3, comprises a distinct subgroup of nexins that share less sequence similarity outside of the PX domain and have dramatically different binding affinities for the tyrosine kinase receptors.

References

Note: This product is for in vitro research use only