

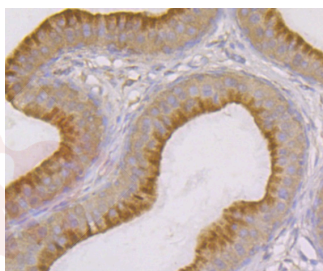
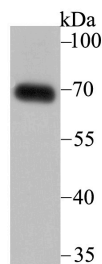
Anti-SNX1 Antibody (7Z490)

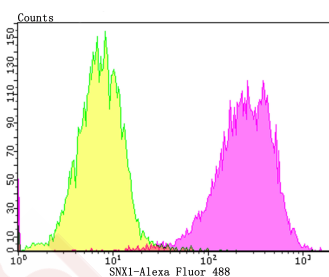
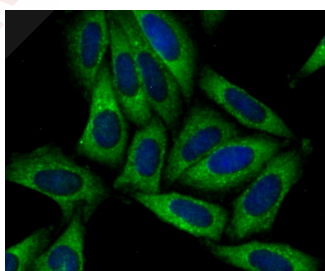
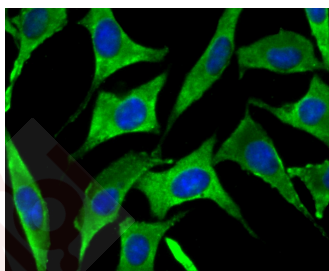
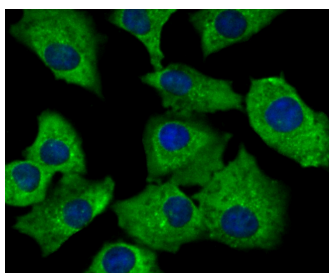
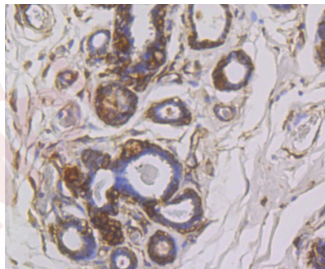
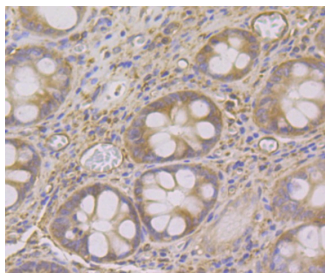
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 63 kDa.
Clone:	7Z490
Purification:	ProA affinity purified

Applications

1. Western blot analysis of SNX1 on human skin tissue lysate using anti-SNX1 antibody at 1/2,000 dilution.
 2. Immunohistochemical analysis of paraffin-embedded rat epididymis tissue using anti-SNX1 antibody. Counter stained with hematoxylin.
 3. Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-SNX1 antibody. Counter stained with hematoxylin.
 4. Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using anti-SNX1 antibody. Counter stained with hematoxylin.
- Verified Activity:
5. 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.
 6. 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.
 7. 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.
 8. 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.





Application: FCM, ICC, IF, IHC, WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC:IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human SNX1 aa 50-250

Antigen Species: human

Uniprot ID: Q13596

Synonyms: HsT17379;Sorting nexin-1;SNX 1;SNX1A;Vps5;Snx1;SNX 1a;MGC8664;Sorting nexin 1;Sorting nexin 1A;SNX1_HUMAN

Research 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 phospho-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.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481
