

For Research Use Only

# SNX5 Monoclonal antibody

Catalog Number: 67665-1-Ig



## Basic Information

<b>Catalog Number:</b> 67665-1-Ig	<b>GenBank Accession Number:</b> BC093623	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 27131	<b>CloneNo.:</b> 2F8A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y5X3	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:300-1:1200 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> sorting nexin 5	
<b>Immunogen Catalog Number:</b> AG12330	<b>Calculated MW:</b> 404 aa, 47 kDa	
	<b>Observed MW:</b> 47 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HCT 116 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human liver cancer tissue,
	<b>IF/ICC :</b> HeLa cells,

## Background Information

Sorting nexins are a diverse group of cytoplasmic and membrane-associated proteins that are classified by the presence of a phospholipid-binding motif-the PX domain (PMID:12461558). They are involved in endocytosis and protein trafficking. SNX5 (Sorting nexin-5) was originally identified as a putative FANCA-binding protein (PMID: 10600472). SNX5 has a phox homology (PX) domain in the N-terminus. It is involved in several stages of intracellular trafficking. SNX5 is a component of the mammalian retromer complex, which is involved in recycling proteins from endosomes to the trans-Golgi network or plasma membrane (PMID: 17148574; 26199408).

## Storage

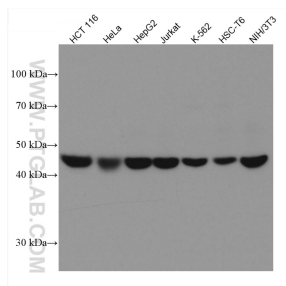
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

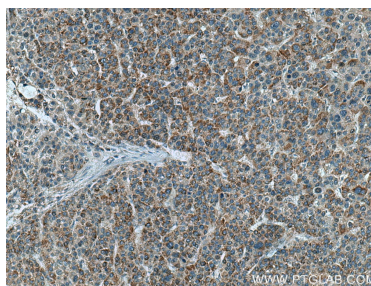
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

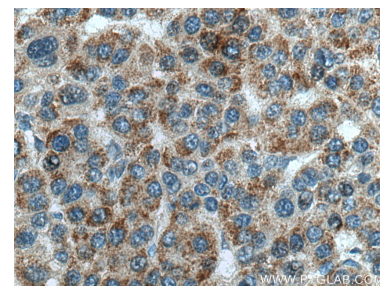
## Selected Validation Data



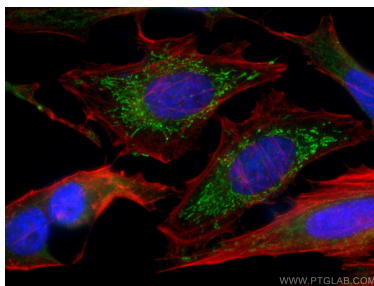
Various lysates were subjected to SDS PAGE followed by western blot with 67665-1-Ig (SNX5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



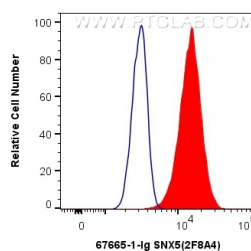
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67665-1-Ig (SNX5 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67665-1-Ig (SNX5 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 67665-1-Ig (SNX5 antibody), at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L). F-actin was stained using CoraLite®594-phalloidin (red) and DNA was stained by DAPI (blue).



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human SNX5 (67665-1-Ig, Clone:2F8A4) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (66360-2-Ig, Clone: K11A1B2A2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).