

For Research Use Only

# SNX5 Monoclonal antibody, PBS Only



Catalog Number: 67665-1-PBS

## Basic Information

<b>Catalog Number:</b> 67665-1-PBS	<b>GenBank Accession Number:</b> BC093623	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27131	<b>CloneNo.:</b> 2F8A4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y5X3	
<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

**Tested Applications:**  
Indirect ELISA, IF/ICC, IHC, WB

**Species Specificity:**  
rat, mouse, human

## 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

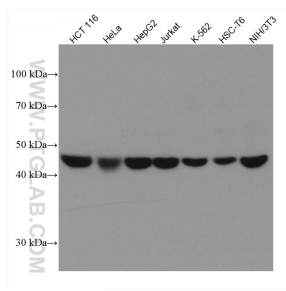
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

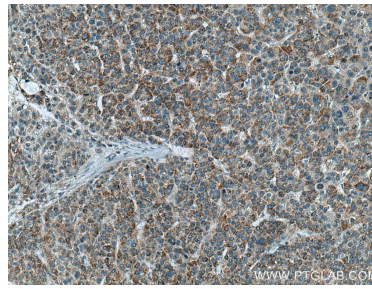
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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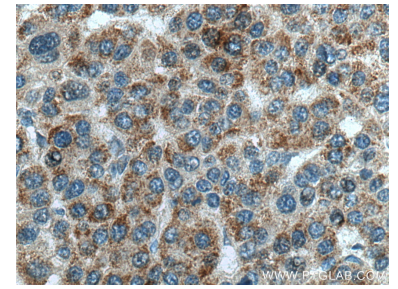
## Selected Validation Data



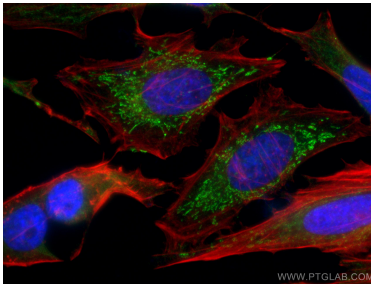
Various lysates were subjected to SDS PAGE followed by western blot with 67665-1-Ig (SNX5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67665-1-PBS in a different storage buffer formulation.



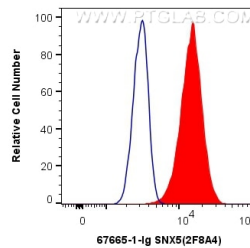
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67665-1-Ig (SNX5 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67665-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67665-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 67665-1-Ig (SNX5 antibody), at dilution of 1:200 and CoralLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). F-actin was stained using CoralLite®594-phalloidin (red) and DNA was stained by DAPI (blue). This data was developed using the same antibody clone with 67665-1-PBS in a different storage buffer formulation.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug Anti-Human SNX5 (67665-1-Ig, Clone:2F8A4) and CoralLite®488-Conjugated AffiniPure 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). This data was developed using the same antibody clone with 67665-1-PBS in a different storage buffer