

For Research Use Only

# SNX27 Monoclonal antibody

Catalog Number: 68386-1-Ig



## Basic Information

<b>Catalog Number:</b> 68386-1-Ig	<b>GenBank Accession Number:</b> BC012184	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 81609	<b>CloneNo.:</b> 2C4G5
<b>Source:</b> Mouse	<b>Full Name:</b> sorting nexin family member 27	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 61 kDa, 60 kDa, 52 kDa, 28 kDa	
<b>Immunogen Catalog Number:</b> AG9447	<b>Observed MW:</b> 61 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> U2OS cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, 4T1 cells <b>IF :</b> HeLa cells, HEK-293 cells

## Background Information

Sorting nexin 27 (SNX27), a PDZ domain-containing protein, belongs to the sorting nexin family of proteins. SNX27 promotes the recycling of internalized transmembrane proteins from endosomes to the plasma membrane by linking PDZ-dependent cargo recognition to retromer-mediated transport (PMID: 21602791; 23563491). It has been shown that SNX27 deficiency contributes to synaptic and cognitive deficits by modulating glutamate receptor recycling in Down's syndrome (PMID: 23524343). SNX27 has also been proposed to have a role in regulating  $\beta$ -amyloid ( $A\beta$ ) generation by modulating  $\gamma$ -secretase activity, which is a molecular mechanism for  $A\beta$ -dependent pathogenesis in both Down's syndrome and Down's syndrome (PMID: 25437557).

## Storage

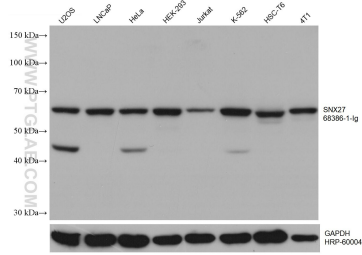
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

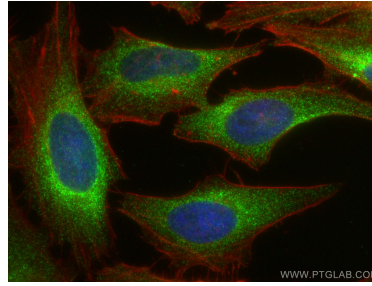
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E: proteintech@ptglab.com  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68386-1-Ig (SNX27 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SNX27 antibody (68386-1-Ig, Clone: 2C4G5 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).