

For Research Use Only

SNX27 Monoclonal antibody

Catalog Number: 68386-1-Ig **1 Publications**



Basic Information

Catalog Number: 68386-1-Ig	GenBank Accession Number: BC012184	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 81609	CloneNo.: 2C4G5
Source: Mouse	UNIPROT ID: Q96L92	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG1	Full Name: sorting nexin family member 27	
Immunogen Catalog Number: AG9447	Calculated MW: 61 kDa, 60 kDa, 52 kDa, 28 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : U2OS cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, 4T1 cells
Species Specificity: human, mouse, rat	IF/ICC : 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 β -amyloid ($A\beta$) generation by modulating γ -secretase activity, which is a molecular mechanism for $A\beta$ -dependent pathogenesis in both Down's syndrome and Down's syndrome (PMID: 25437557).

Notable Publications

Author	Pubmed ID	Journal	Application
Yepin Yu	39494909	J Virol	WB

Storage

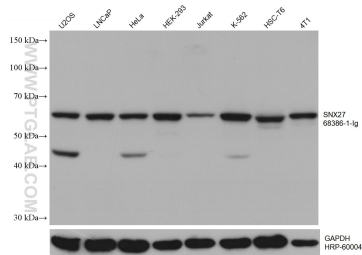
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

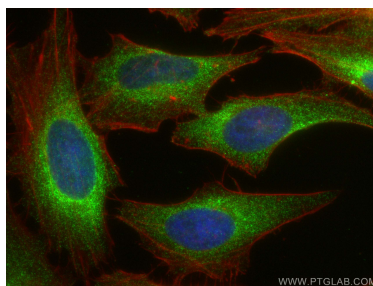
For technical support and original validation data for this product please contact:
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Selected Validation Data



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 Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).