

SNX27 Monoclonal antibody, PBS Only

Catalog Number: 68386-1-PBS

Basic Information

Catalog Number: 68386-1-PBS	GenBank Accession Number: BC012184	Purification Method: Protein G purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 81609	CloneNo.: 2C4G5
Source: Mouse	UNIPROT ID: Q96L92	
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, Indirect ELISA

Species Specificity:
Human, mouse, rat

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 β) generation by modulating γ -secretase activity, which is a molecular mechanism for A β -dependent pathogenesis in both Down's syndrome and Down's syndrome (PMID: 25437557).

Storage

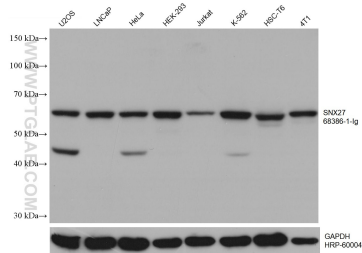
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

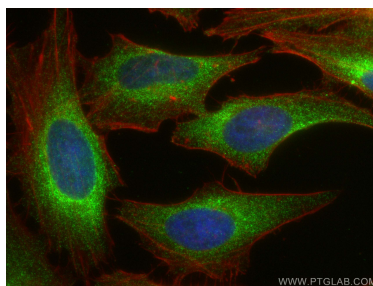
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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. This data was developed using the same antibody clone with 68386-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68386-1-PBS in a different storage buffer formulation.