

For Research Use Only

SNX27 Recombinant monoclonal antibody

Catalog Number:87039-1-RR



Basic Information

Catalog Number: 87039-1-RR	GenBank Accession Number: BC012184	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 81609	CloneNo.: 252134D11
Source: Rabbit	UNIPROT ID: Q96L92	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:250-1:1000
Isotype: IgG	Full Name: sorting nexin family member 27	
Immunogen Catalog Number: AG29226	Calculated MW: 61 kDa, 60 kDa, 52 kDa, 28 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : K-562 cells, HeLa cells, Jurkat cells, HEK-293 cells, 3T3-L1 cells, NIH/3T3 cells, HSC-T6 cells

IHC : mouse kidney tissue,

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).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

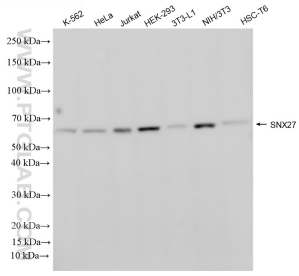
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

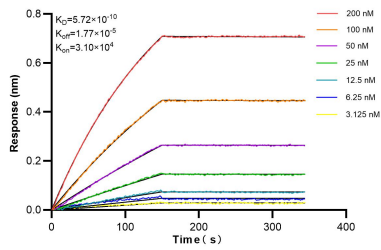
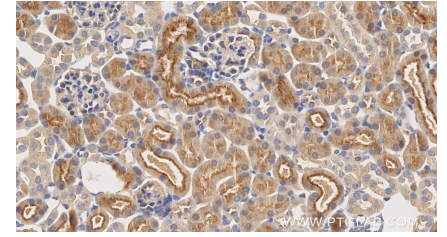
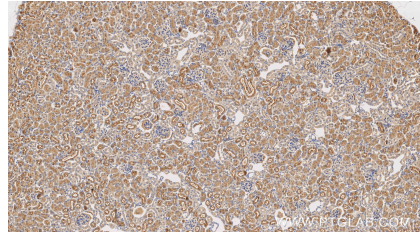
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87039-1-RR (SNX27 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87039-1-RR against Human SNX27 were performed. The affinity constant is 0.572 nM.