

For Research Use Only

SNX27 Polyclonal antibody

Catalog Number: 16329-1-AP **2 Publications**



Basic Information

Catalog Number: 16329-1-AP	GenBank Accession Number: BC012184	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 380 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 81609	Recommended Dilutions: WB 1:500-1:2400 IHC 1:20-1:200
Source: Rabbit	Full Name: sorting nexin family member 27	
Isotype: IgG	Calculated MW: 61 kDa, 60 kDa, 52 kDa, 28 kDa	
Immunogen Catalog Number: AG9447	Observed MW: 52-60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, mouse spleen tissue
Cited Applications: WB	IHC : human cervical cancer tissue, human tonsillitis tissue
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Sorting nexin 27 (SNX27), a PDZ domain-containing protein, belongs to the sorting nexin family of proteins. SNX27 promotes 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 the 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Boris Simonetti	28935633	J Cell Biol	WB
Xuan Ling Hilary Yong	34233182	Cell Rep	WB

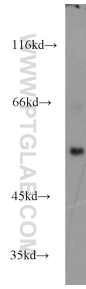
Storage

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

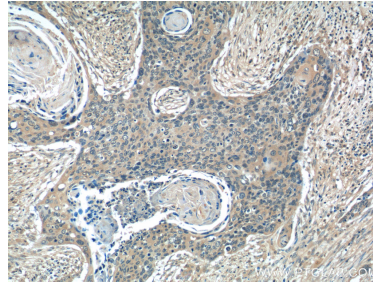
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

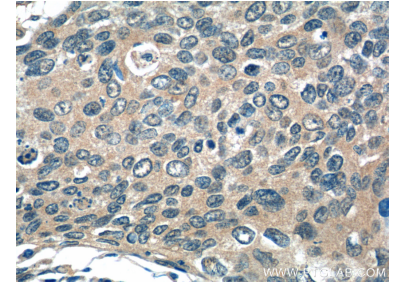
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 16329-1-AP (SNX27 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 16329-1-AP (SNX27 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 16329-1-AP (SNX27 Antibody) at dilution of 1:50 (under 40x lens).