

SNX27 Polyclonal antibody

Catalog Number: 16329-1-AP

5 Publications

Basic Information

Catalog Number:

16329-1-AP

Size:

150ul, Concentration: 380 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9447

GenBank Accession Number:

BC012184

GeneID (NCBI):

81609

UNIPROT ID:

Q96L92

Full Name:

sorting nexin family member 27

Calculated MW:

61 kDa, 60 kDa, 52 kDa, 28 kDa

Observed MW:

52-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : Jurkat cells, mouse spleen tissue

IHC : human cervical cancer tissue, human tonsillitis 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 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
Rachel Livingstone	35964329	Endocrinol Diabetes Metab	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

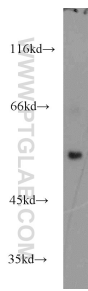
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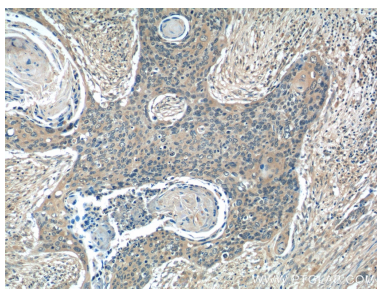
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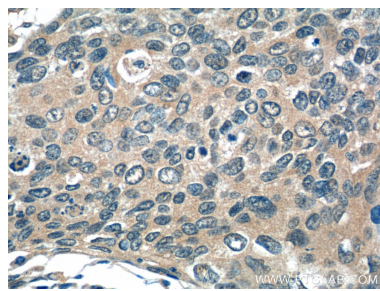
Selected Validation Data



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).