

For Research Use Only

SNX5 Polyclonal antibody

Catalog Number: 17918-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

17918-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12330

GenBank Accession Number:

BC093623

GeneID (NCBI):

27131

UNIPROT ID:

Q9Y5X3

Full Name:

sorting nexin 5

Calculated MW:

404 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human, mouse, rat

Cited Species:

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: HEK-293T cells, mouse kidney tissue, human kidney tissue, Neuro-2a cells, K-562 cells, Jurkat cells, U2OS cells

IP: mouse kidney tissue,

IHC: human kidney tissue, mouse brain tissue

Background Information

Sorting nexins are a diverse group of cytoplasmic and membrane-associated proteins that are classified by the presence of a phospholipid-binding motif-the PX domain (PMID:12461558). They are involved in endocytosis and protein trafficking. SNX5 (Sorting nexin-5) was originally identified as a putative FANCA-binding protein (PMID: 10600472). SNX5 has a phox homology (PX) domain in the N-terminus. It is involved in several stages of intracellular trafficking. SNX5 is a component of the mammalian retromer complex, which is involved in recycling proteins from endosomes to the trans-Golgi network or plasma membrane (PMID: 17148574; 26199408).

Notable Publications

Author	Pubmed ID	Journal	Application
Boris Simonetti	28935633	J Cell Biol	WB
Ian J McGough	30213940	Nat Commun	WB
Boris Simonetti	31576058	Nat Cell Biol	WB

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

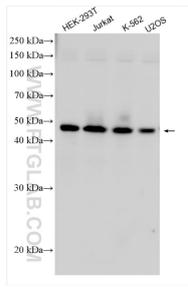
For technical support and original validation data for this product please contact:

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

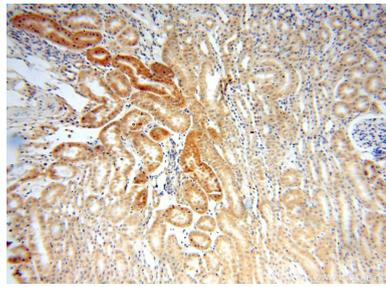
E: proteintech@ptglab.com
W: ptglab.com

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

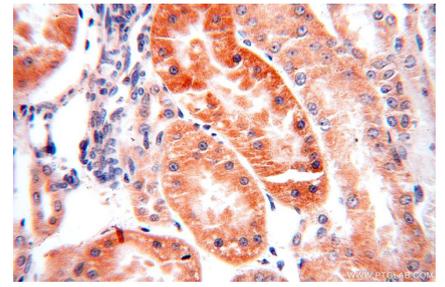
Selected Validation Data



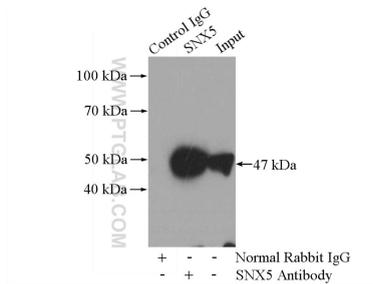
Various lysates were subjected to SDS PAGE followed by western blot with 17918-1-AP (SNX5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



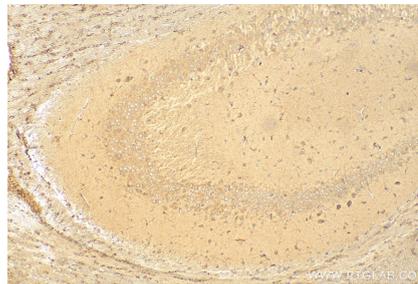
Immunohistochemical analysis of paraffin-embedded human kidney using 17918-1-AP (SNX5 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 17918-1-AP (SNX5 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-SNX5 (IP:17918-1-AP, 4ug; Detection:17918-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 17918-1-AP (SNX5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).