

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

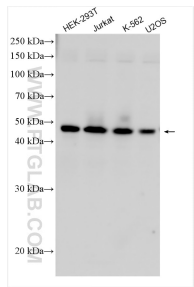
For technical support and original validation data for this product please contact:

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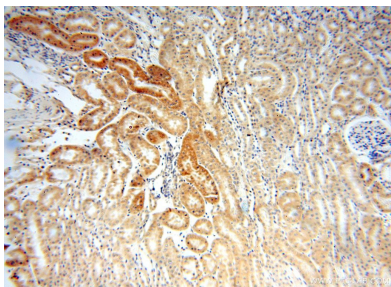
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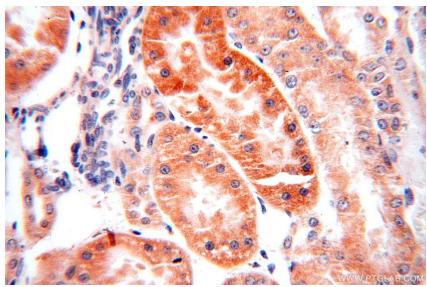
Selected Validation Data



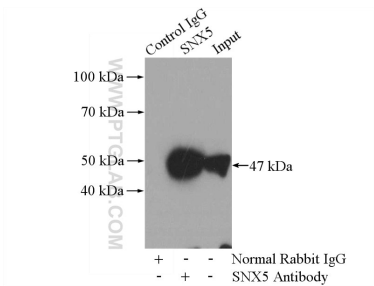
Various lysates were subjected to SDS PAGE followed by western blot with 17918-1-AP (SNX5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



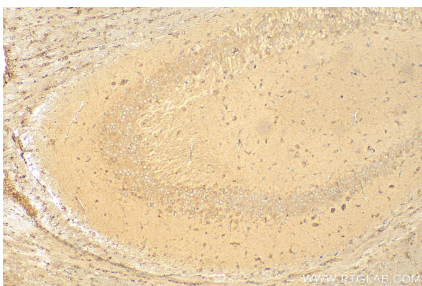
Immunohistochemical analysis of paraffin-embedded human kidney using 17918-1-AP (SNX5 antibody) at dilution of 1:100 (under 10x lens).



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).