

For Research Use Only

# SNX6 Polyclonal antibody

Catalog Number: 10114-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**  
10114-1-AP

**Size:**  
150ul, Concentration: 300 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG0168

**GenBank Accession Number:**  
BC001798

**GeneID (NCBI):**  
58533

**Full Name:**  
sorting nexin 6

**Calculated MW:**  
34 kDa

**Observed MW:**  
47 kDa

**Purification Method:**  
Antigen affinity purification

**Recommended Dilutions:**  
WB 1:2000-1:10000  
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB  
IHC 1:50-1:500  
IF 1:50-1:500

## Applications

**Tested Applications:**  
FC, IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IHC, WB

**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**

**Positive Controls:**

**WB:** HeLa cells, HepG2 cells, human placenta tissue, mouse brain tissue, RAW 264.7 cells

**IP:** HepG2 cells,

**IHC:** mouse brain tissue, human prostate cancer tissue, human heart tissue

**IF:** HepG2 cells,

## Background Information

Sorting nexins (SNX) have previously been shown to regulate the cell-surface expression of the human epidermal growth factor receptor. On the basis of the predicted protein sequences, several members of this family, including SNX6, have been identified. SNX6, containing coiled-coil regions within its large C-terminal domain and is found distributed in both membrane and cytosolic fractions, typical of hydrophilic peripheral membrane proteins. The functions of SNX6 are likely to be unique to endosomes, mediated in part by interactions with SNX6-specific C-terminal sequences and membrane-associated determinants

## Notable Publications

Author	Pubmed ID	Journal	Application
Pengfei Hu	30307473	Acta Biochim Biophys Sin (Shanghai)	WB,IHC
Chuchu Zhou	35332264	Nat Cell Biol	WB
Jae Kyung Lee	37781396	Front Immunol	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

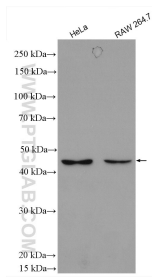
For technical support and original validation data for this product please contact:

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

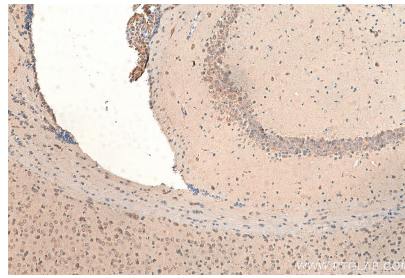
E: proteintech@ptglab.com  
W: ptglab.com

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

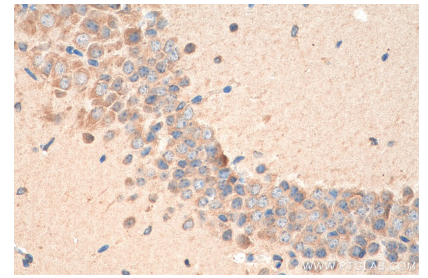
## Selected Validation Data



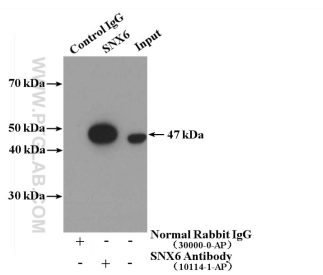
Various lysates were subjected to SDS PAGE followed by western blot with 10114-1-AP (SNX6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



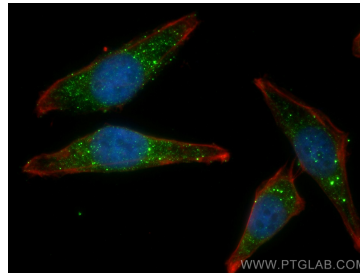
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10114-1-AP (SNX6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



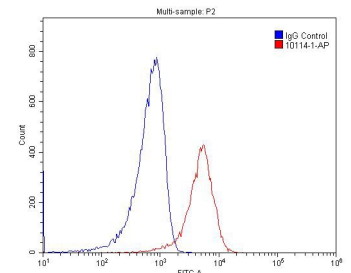
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10114-1-AP (SNX6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-SNX6 (IP:10114-1-AP, 4ug; Detection:10114-1-AP 1:600) with HepG2 cells lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SNX6 antibody (10114-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



1X10<sup>6</sup> RAW 264.7 cells were stained with 0.2ug SNX6 antibody (10114-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.