

For Research Use Only

SNX6 Polyclonal antibody

Catalog Number:10114-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

10114-1-AP

Size:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0168

GenBank Accession Number:

BC001798

GeneID (NCBI):

58533

UNIPROT ID:

Q9UNH7

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 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

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/ICC : HepG2 cells,

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 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

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

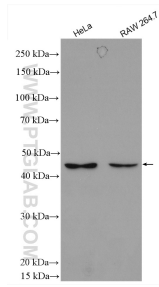
T: 4006900926

E: Proteintech-CN@ptglab.com

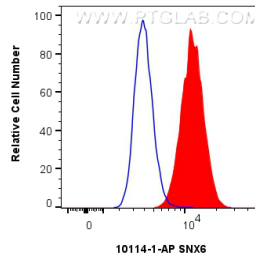
W: ptgcn.com

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

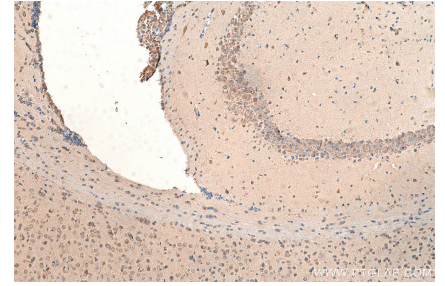
Selected Validation Data



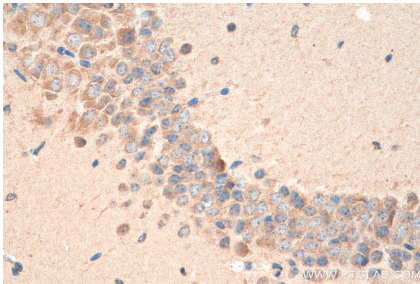
Various lysates were subjected to SDS PAGE followed by western blot with 10114-1-AP (SNX6 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



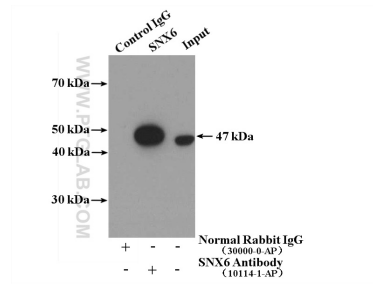
1×10^6 RAW 264.7 cells were intracellularly stained with 0.25 μ g SNX6 Polyclonal antibody (10114-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



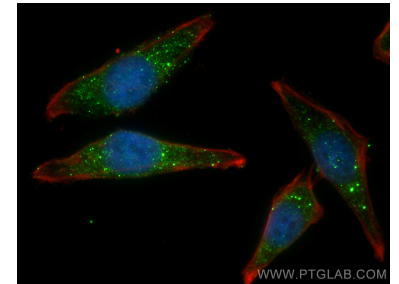
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10114-1-AP (SNX6 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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, 4 μ g; Detection:10114-1-AP 1:600) with HepG2 cells lysate 4000 μ g.



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).