

For Research Use Only

Syntaxin 6 Polyclonal antibody

Catalog Number: 10841-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number:

10841-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1284

GenBank Accession Number:

BC009944

GeneID (NCBI):

10228

UNIPROT ID:

O43752

Full Name:

syntaxin 6

Calculated MW:

29 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

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

IHC 1:50-1:500

IF 1:350-1:1400

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

FC, IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, 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: Neuro-2a cells, human brain tissue, mouse brain tissue, rat brain tissue, A549 cells, PC-12 cells

IP: mouse brain tissue,

IHC: mouse brain tissue, human prostate cancer tissue

IF: PC-12 cells, murine BM-DC, murine Spleen-DC

Background Information

Syntaxin-6 (STX6) is a SNARE protein located in the trans-Golgi network (TGN) and endosomes. It associates with a variety of SNARE proteins and is involved in intracellular vesicle trafficking. STX6 is required for sorting proteins from endosomes toward either the TGN or lysosomes.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------------------|-----------|-------------------|-------------|
| Marozkina, N. | 26340480 | Pediatr Pulmonol | IF |
| Francesca De Angelis Rigotti | 28559542 | Immunol Cell Biol | IF |
| Irini Evnouchidou | 32487999 | Nat Commun | IF,FC |

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:

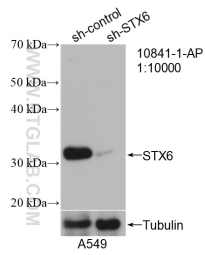
T: 4006900926

E: Proteintech-CN@ptglab.com

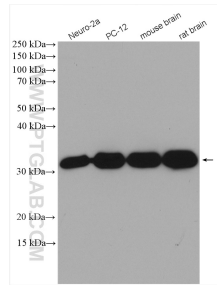
W: ptgcn.com

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

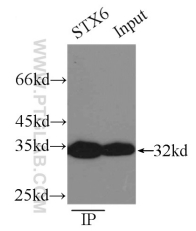
Selected Validation Data



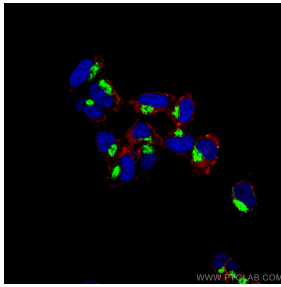
WB result of Syntaxin 6 antibody (10841-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Syntaxin 6 transfected A549 cells.



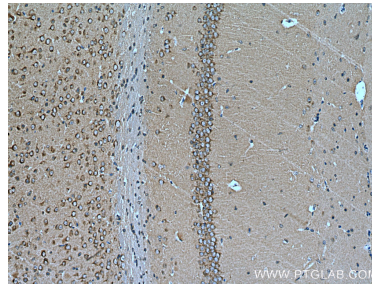
Various lysates were subjected to SDS PAGE followed by western blot with 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



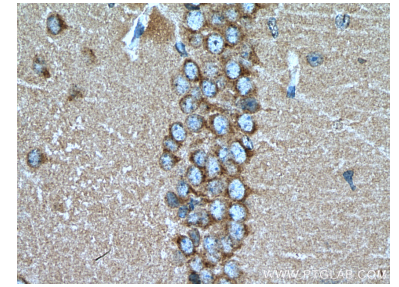
IP result of anti-Syntaxin 6 (IP:10841-1-AP, 3ug; Detection:10841-1-AP 1:1000) with mouse brain tissue lysate 7000ug.



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using Syntaxin 6 antibody (10841-1-AP) at dilution of 1:700 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 10841-1-AP (Syntaxin 6 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 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).