

For Research Use Only

# Syntaxin 6 Polyclonal antibody

Catalog Number: 10841-1-AP

Featured Product

20 Publications



## Basic Information

### Catalog Number:

10841-1-AP

### Size:

150ul, Concentration: 507 ug/ml by Bradford method using BSA as the standard;

### 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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:350-1:1400

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### 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** : 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/ICC** : 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

\*\*\* 20ul sizes contain 0.1% BSA

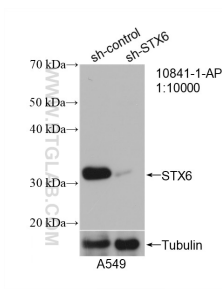
For technical support and original validation data for this product please contact:

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

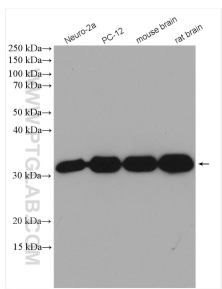
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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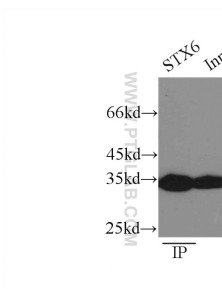
Selected Validation Data



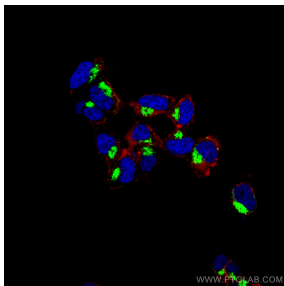
WB result of Syntaxin 6 antibody (10841-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Syntaxin 6 transfected A549 cells.



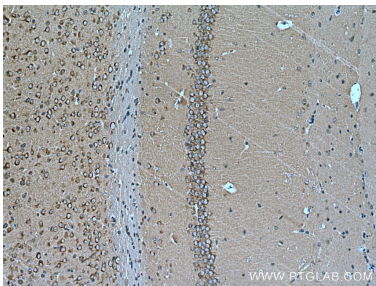
Various lysates were subjected to SDS PAGE followed by western blot with 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



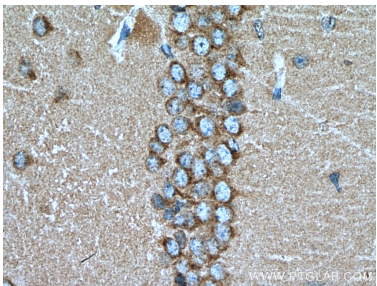
IP result of anti-Syntaxin 6 (IP:10841-1-AP, 3ug; Detection:10841-1-AP 1:1000) with mouse brain tissue lysate 7000ug.



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).