

For Research Use Only

# Syntaxin 6 Polyclonal antibody



Catalog Number: 10841-1-AP

Featured Product

11 Publications

## Basic Information

### Catalog Number:

10841-1-AP

### Size:

150UL, Concentration: 700 µg/ml by Nanodrop and 507 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1284

### GenBank Accession Number:

BC009944

### GeneID (NCBI):

10228

### 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 IP and 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

FC, IF, WB

### 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, 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
Joel Babbior	28319098	Nat Immunol	IF
Irini Evnouchidou	32487999	Nat Commun	IF, FC
Loredana Saveanu	19498108	Science	IF

## 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

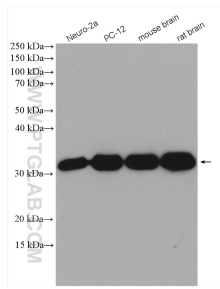
For technical support and original validation data for this product please contact:

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

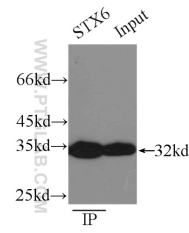
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

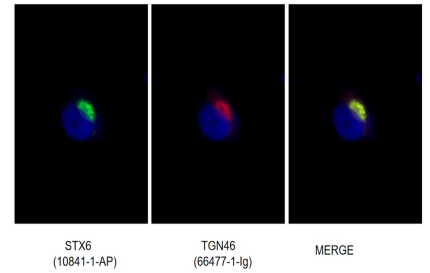
## Selected Validation Data



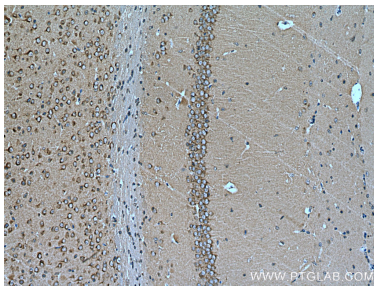
Various lysates were subjected to SDS PAGE followed by western blot with 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



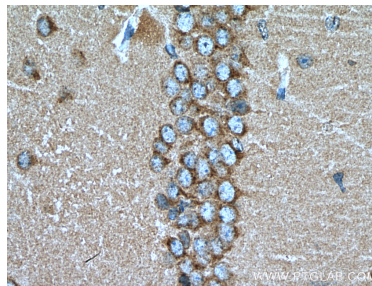
IP Result of anti-Syntaxin 6 (IP:10841-1-AP, 3ug; Detection:10841-1-AP 1:1000) with mouse brain tissue lysate 7000ug.



Immunofluorescent analysis of (4% PFA) fixed PC-12 cells using 66477-1-Ig (TGN46 antibody) at dilution of 1:100 and 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:50, further stained with CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) for 66477-1-Ig, and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 10841-1-AP.



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).