

For Research Use Only

# Syntaxin 6 Polyclonal antibody

Catalog Number: 10841-1-AP

Featured Product

28 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, IHC, 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

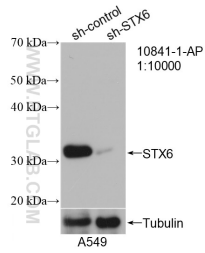
For technical support and original validation data for this product please contact:

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

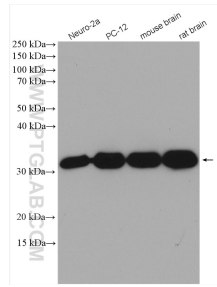
E: proteintech@ptglab.com  
W: ptglab.com

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

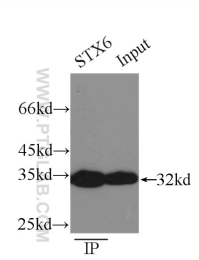
## Selected Validation Data



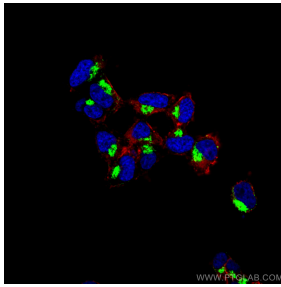
WB result of Syntaxin 6 antibody (10841-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Syntaxin 6 transfected A549 cells.



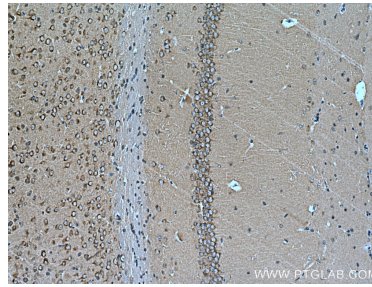
Various lysates were subjected to SDS PAGE followed by western blot with 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



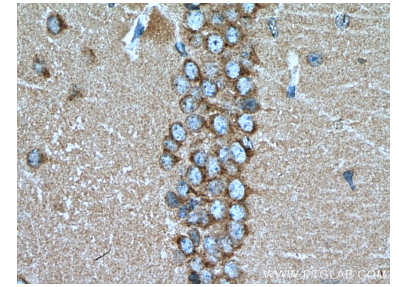
IP result of anti-Syntaxin 6 (IP:10841-1-AP, 3ug; Detection:10841-1-AP 1:1000) with mouse brain tissue lysate 7000ug.



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).