

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:

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 1:350-1:1400

Applications

Tested Applications:

IF, 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

*** 20ul sizes contain 0.1% BSA

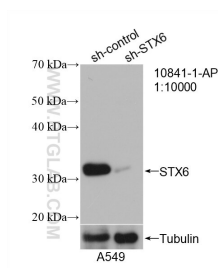
For technical support and original validation data for this product please contact:

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

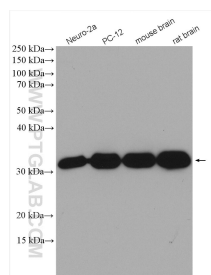
E: proteintech@ptglab.com
W: ptglab.com

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

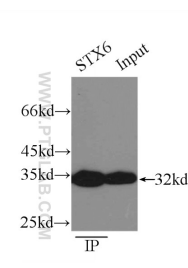
Selected Validation Data



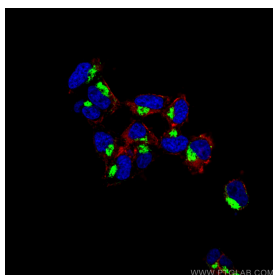
WB result of Syntaxin 6 antibody (10841-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Syntaxin 6 transfected A549 cells.



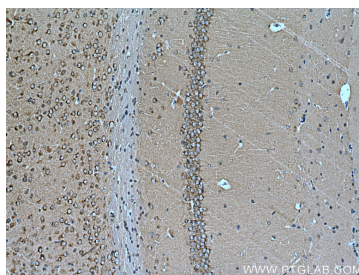
Various lysates were subjected to SDS PAGE followed by western blot with 10841-1-AP (Syntaxin 6 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



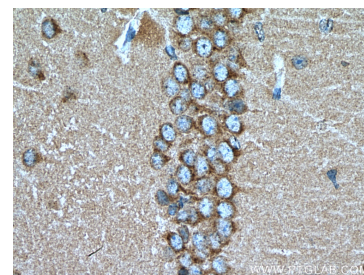
IP Result of anti-Syntaxin 6 (IP:10841-1-AP, 3µg; Detection:10841-1-AP 1:1000) with mouse brain tissue lysate 7000µg.



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).