

For Research Use Only

Syntaxin 3 Polyclonal antibody

Catalog Number: 15556-1-AP **15 Publications**



Basic Information

Catalog Number: 15556-1-AP	GenBank Accession Number: BC007405	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6809	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: syntaxin 3	
Isotype: IgG	Calculated MW: 33 kDa	
Immunogen Catalog Number: AG7925	Observed MW: 33 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : SH-SY5Y cells, human plasma tissue, Neuro-2a cells IP : SH-SY5Y cells, IHC : human kidney tissue,
Cited Applications: IF, IHC, IP, 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	

Background Information

Syntaxin-3 (also known as STX3) is a member of the syntaxin. Syntaxin-3 is a significant apical targeting protein in the epithelial membrane and in exocytosis process; it also acts as a vesicle transporter by cellular receptor in neutrophils, which is crucial for protein trafficking event (PMID: 25630102). It has been reported that syntaxin-3 has an important role in the growth of neurites, and serves as a direct target for omega-6 arachidonic acid (PMID: 1659826).

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Hsu	29049287	PLoS Genet	IF
Poppy Datta	31694913	J Biol Chem	WB, IF, IP
Ying Hsu	32433491	Sci Rep	IHC

Storage

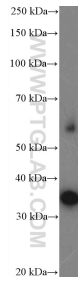
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

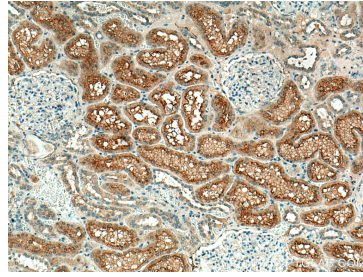
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

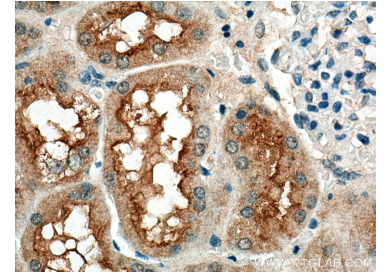
Selected Validation Data



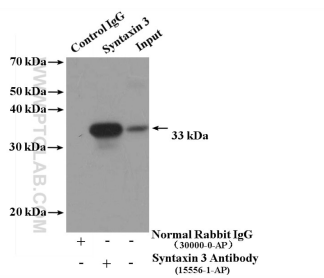
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 15556-1-AP (Syntaxin 3 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15556-1-AP (Syntaxin 3 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 human kidney tissue slide using 15556-1-AP (Syntaxin 3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-Syntaxin 3 (IP:15556-1-AP, 4ug; Detection:15556-1-AP 1:1000) with SH-SY5Y cells lysate 3600ug.