

For Research Use Only

Syntaxin 3 Polyclonal antibody

Catalog Number: 15556-1-AP

18 Publications



Basic Information

Catalog Number:

15556-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7925

GenBank Accession Number:

BC007405

GeneID (NCBI):

6809

UNIPROT ID:

Q13277

Full Name:

syntaxin 3

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

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

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP

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: SH-SY5Y cells, human plasma tissue, Neuro-2a cells

IP: SH-SY5Y cells,

IHC: human kidney tissue,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

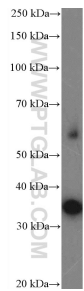
For technical support and original validation data for this product please contact:

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

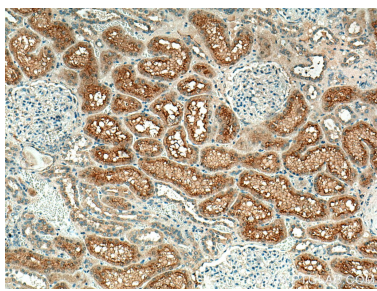
E: proteintech@ptglab.com
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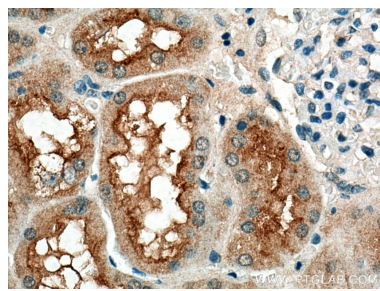
Selected Validation Data



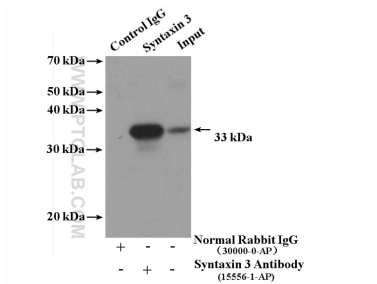
SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 15556-1-AP (Syntaxin 3 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.