

For Research Use Only

# STX17 Polyclonal antibody

Catalog Number: 17815-1-AP

Featured Product

48 Publications



## Basic Information

### Catalog Number:

17815-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12134

### GenBank Accession Number:

BC111009

### GeneID (NCBI):

55014

### UNIPROT ID:

P56962

### Full Name:

syntaxin 17

### Calculated MW:

302 aa, 33 kDa

### Observed MW:

33-38 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 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, monkey

**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** : HEK-293 cells, L02 cells, human testis tissue, mouse testis tissue, A375 cells, rat testis tissue, Jurkat cells

**IP** : HepG2 cells,

**IHC** : mouse testis tissue, human kidney tissue

## Background Information

SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for the fusion of cellular membranes. Syntaxin 17 (STX17) is a SNARE of the autophagosome involved in autophagy through the direct control of autophagosome membrane fusion with the lysosome membrane. STX17 may also play a role in the early secretory pathway where it may maintain the architecture of the endoplasmic reticulum-Golgi intermediate compartment/ERGIC and Golgi and/or regulate transport between the endoplasmic reticulum, the ERGIC, and the Golgi.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ingrid Morales	29028815	PLoS One	IF
Zhilong Zheng	31794745	Exp Neurol	IP
Zheng Li	31775910	Stem Cell Res Ther	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

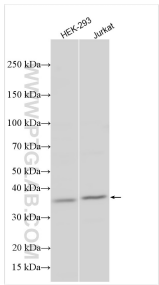
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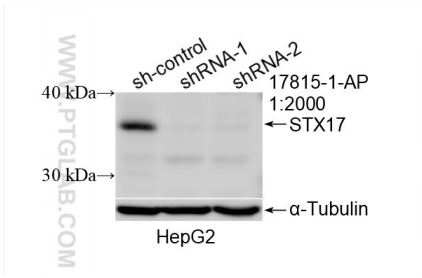
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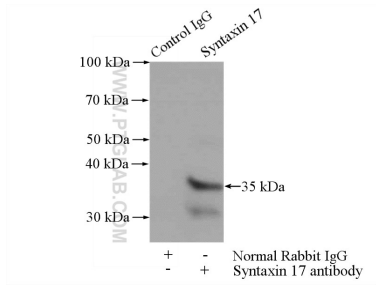
Selected Validation Data



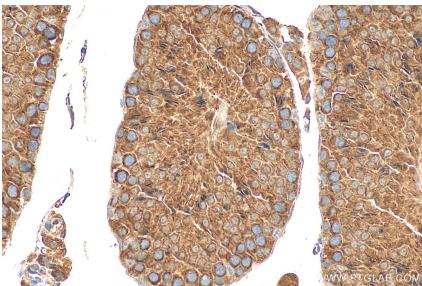
Various lysates were subjected to SDS PAGE followed by western blot with 17815-1-AP (STX17 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



WB result of STX17 antibody (17815-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STX17 transfected HepG2 cells.



IP result of anti-STX17 (IP:17815-1-AP, 4ug; Detection:17815-1-AP 1:1000) with HepG2 cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17815-1-AP (STX17 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).