

For Research Use Only

# STX17 Recombinant antibody

Catalog Number: 81899-1-RR

Featured Product



## Basic Information

Catalog Number:

81899-1-RR

Size:

100ul, Concentration: 1000 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:

33-35 kD

Purification Method:

Protein A purification

CloneNo.:

4G3

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

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 : human testis tissue, HepG2 cells, A375 cells, HEK-293 cells, L02 cells, mouse testis tissue, rat testis tissue

IHC : mouse kidney tissue,

IF/ICC : HepG2 cells,

## 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.

## 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

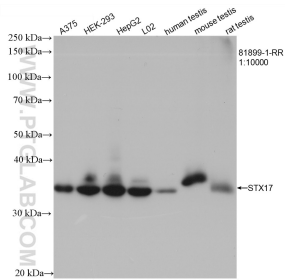
For technical support and original validation data for this product please contact:

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

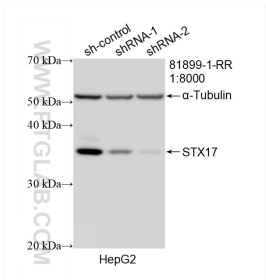
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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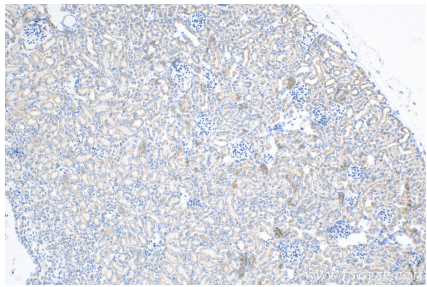
Selected Validation Data



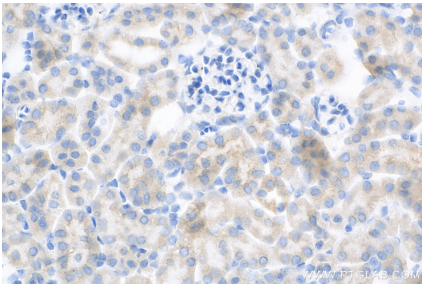
Various lysates were subjected to SDS PAGE followed by western blot with 81899-1-RR (STX17 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



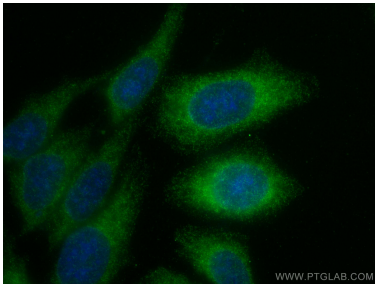
WB result of STX17 antibody (81899-1-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STX17 transfected HepG2 cells.



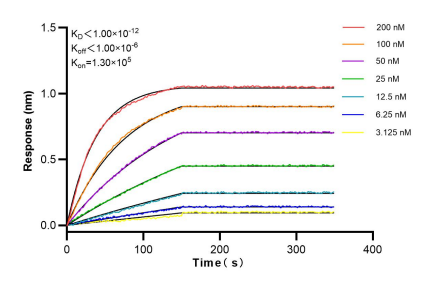
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 81899-1-RR (STX17 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 81899-1-RR (STX17 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using STX17 antibody (81899-1-RR, Clone: 4G3 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Bilayer interferometry (BLI) kinetic assays of 81899-1-RR against Human STX17 were performed. The affinity constant is below 1 pM.