

For Research Use Only

# STX17 Recombinant antibody, PBS Only



Catalog Number: 81899-1-PBS

## Basic Information

<b>Catalog Number:</b> 81899-1-PBS	<b>GenBank Accession Number:</b> BC111009	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55014	<b>CloneNo.:</b> 4G3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P56962	
<b>Isotype:</b> IgG	<b>Full Name:</b> syntaxin 17	
<b>Immunogen Catalog Number:</b> AG12134	<b>Calculated MW:</b> 302 aa, 33 kDa	
	<b>Observed MW:</b> 33-35 kD	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

SNAREs, soluble N-ethylmaleimide-sensitive factor-attachment protein receptors, are essential proteins for 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

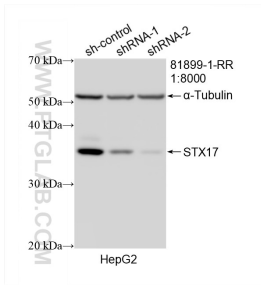
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

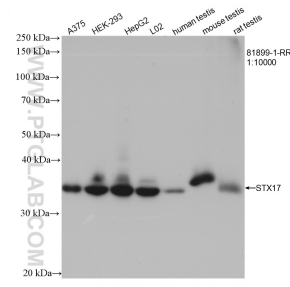
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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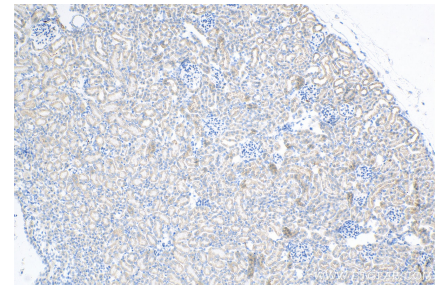
## Selected Validation Data



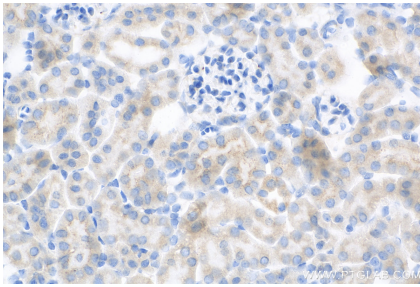
WB result of STX17 antibody (81899-1-RR; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-STX17 transfected HepG2 cells. This data was developed using the same antibody clone with 81899-1-PBS in a different storage buffer formulation.



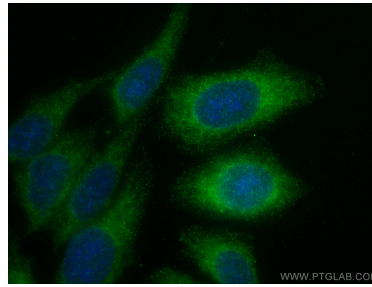
Various lysates were subjected to SDS PAGE followed by western blot with 81899-1-RR (STX17 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81899-1-PBS in a different storage buffer formulation.



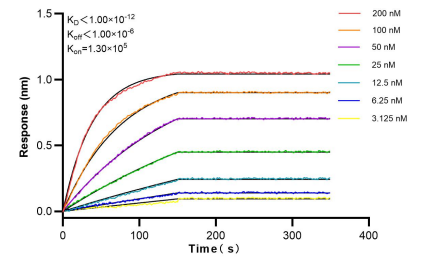
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 81899-1-RR (STX17 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81899-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 81899-1-PBS in a different storage buffer formulation.



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 AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 81899-1-PBS in a different storage buffer formulation.



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