

For Research Use Only

# VAMP7/TI-VAMP Polyclonal antibody, PBS Only

Catalog Number: 22268-1-PBS

Featured Product



## Basic Information

Catalog Number:

22268-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_005638

GeneID (NCBI):

6845

UNIPROT ID:

P51809

Full Name:

vesicle-associated membrane protein

7

Calculated MW:

25 kDa

Observed MW:

20-25 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

VAMP7, also named SYBL1 and TI-VAMP, belongs to the synaptobrevin family. It is involved in the targeting and/or fusion of transport vesicles to their target membrane during the transport of proteins from the early endosome to the lysosome. VAMP7 is required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. It is necessary for calcium-regulated lysosomal exocytosis. VAMP7 is involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. It is required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. It is also required for focal exocytosis of late endocytic vesicles during phagosome formation. The antibody is specific to VAMP7.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

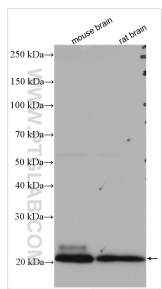
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

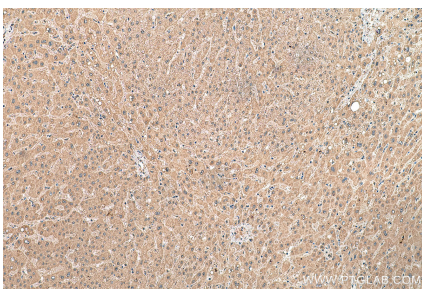
W: [ptgcn.com](http://ptgcn.com)

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

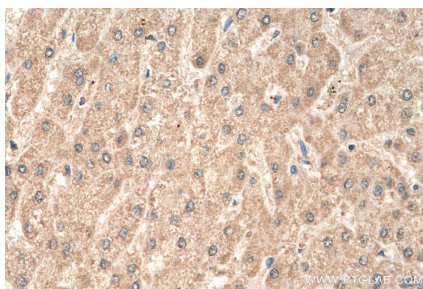
Selected Validation Data



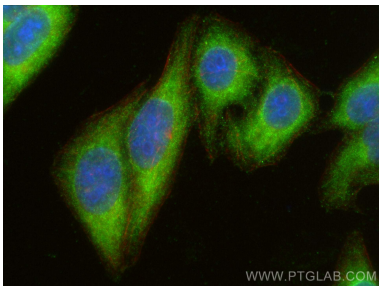
Various lysates were subjected to SDS PAGE followed by western blot with 22268-1-AP (VAMP7/TI-VAMP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22268-1-PBS in a different storage buffer formulation.



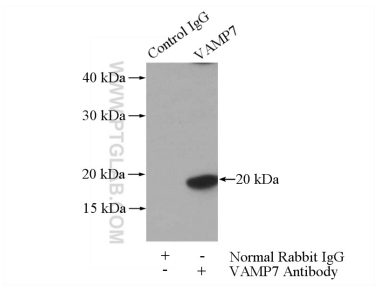
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22268-1-AP (VAMP7/TI-VAMP antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22268-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22268-1-AP (VAMP7/TI-VAMP antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22268-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using VAMP7/TI-VAMP antibody (22268-1-AP) at dilution of 1:200 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red). This data was developed using the same antibody clone with 22268-1-PBS in a different storage buffer formulation.



IP result of anti-VAMP7/TI-VAMP (IP:22268-1-AP, 4ug; Detection:22268-1-AP 1:1000) with mouse brain tissue lysate 3440ug. This data was developed using the same antibody clone with 22268-1-PBS in a different storage buffer formulation.