

For Research Use Only

VAMP3/Cellubrevin Polyclonal ANTIBODY



Catalog Number: 10702-1-AP

Featured Product

7 Publications

Basic Information

Catalog Number:

10702-1-AP

Size:

150UL, Concentration: 347 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1156

GenBank Accession Number:

BC005941

GeneID (NCBI):

9341

Full Name:

vesicle-associated membrane protein 3 (cellubrevin)

Calculated MW:

11 kDa

Observed MW:

11-17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000

for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

Blocking assay, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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, MCF-7 cells, mouse brain tissue

IP: HEK-293 cells,

IHC: human heart tissue, human kidney tissue

Background Information

VAMP3, also named as cellubrevin or synaptobrevin 3, is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. VAMP3 is a v-SNARE (soluble NSF-attachment protein receptor). Characterized by a common sequence called the SNARE motif, SNARE proteins are involved in membrane fusion and vesicular transport (PMID: 11252968). VAMP3 resides in recycling endosomes and endosome-derived transport vesicles, involved in regulating membrane traffic. It is implicated in recycling of transferrin receptors, secretion of alpha-granules in platelets, and membrane trafficking during cell migration.

Notable Publications

Author	Pubmed ID	Journal	Application
Yonglu Che	31712554	Nat Commun	WB,IF
Xiaoli Wang	29785746	Proteomics	WB
Mitsuhiro Shimura	29849941	Oncotarget	IHC

Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

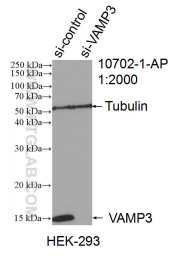
For technical support and original validation data for this product please contact:

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

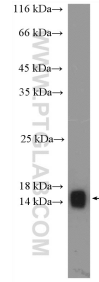
E: proteintech@ptglab.com
W: ptglab.com

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

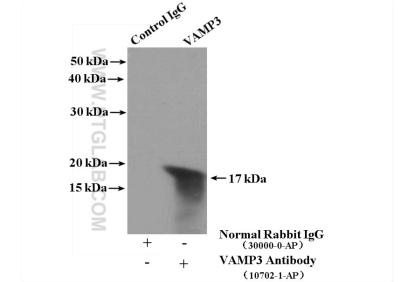
Selected Validation Data



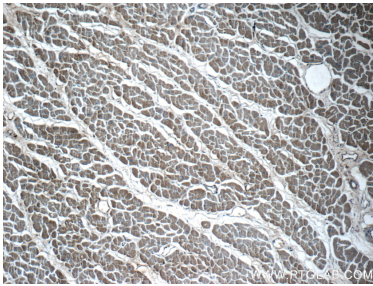
WB result of VAMP3/Cellubrevin antibody (10702-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VAMP3/Cellubrevin transfected HEK-293 cells.



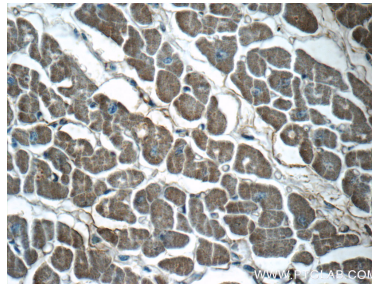
HEK-293 cells were subjected to SDS PAGE followed by western blot with 10702-1-AP (VAMP3/Cellubrevin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-VAMP3/Cellubrevin (IP:10702-1-AP, 4ug; Detection:10702-1-AP 1:1000) with HEK-293 cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10702-1-AP (VAMP3/Cellubrevin antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 10702-1-AP (VAMP3/Cellubrevin antibody) at dilution of 1:50 (under 40x lens).