VAMP3/Cellubrevin
Polyclonal ANTIBODY

Catalog Number: 10702-1-AP

Basic Information

Catalog Number: 10702-1-AP

Size: 52 μg/150 μl

Source: Rabbit

Isotype: IgG

Purification Method: Antigen affinity purification

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

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 μg for IP and 1:300-1:2000 for WB

IHC: 1:200-1:2000

Applications

Tested Applications: IHC, IP, WB, ELISA

Cited Applications: IHC, WB

Species Specificity: human, mouse

Cited Species: human, mouse

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

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<tr>
<td>Xiaoli Wang</td>
<td>29785746</td>
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<td>Mitsuhiro Shimura</td>
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<td>Wulin Aerbaijai</td>
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Storage

Store at -20ºC. Stable for one year after shipment.

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

Aliquoting is unnecessary for -20ºC 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 (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.
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.


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

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