

For Research Use Only

VPS33A Polyclonal antibody

Catalog Number: 16896-1-AP **10 Publications**



Basic Information

Catalog Number:

16896-1-AP

Size:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10422

GenBank Accession Number:

BC016617

GeneID (NCBI):

65082

UNIPROT ID:

Q96AX1

Full Name:

vacuolar protein sorting 33 homolog A (S. cerevisiae)

Calculated MW:

596 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB: human brain tissue, HepG2 cells, human cerebellum tissue, NIH/3T3 cells

IP: HepG2 cells,

Background Information

VPS33A is a Sec1/Munc18 family member and is a component of the homotypic fusion and protein sorting (HOPS)-tethering complex. The mammalian HOPS complex comprises six subunits (VPS11, VPS16, VPS18, VPS33A, VPS39, and VPS41) (PMID: 23901104). This complex is required for late endosome-lysosome and autophagosome-lysosome fusion (PMID: 24554770). VPS33A plays a role in vesicular transport to the lysosomal compartment.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-------------|-------------|
| Aastha Sindhvani | 29084291 | PLoS Pathog | IF |
| Sonja Fernbach | 35320721 | Cell Rep | WB |
| Rituraj Marwaha | 28325809 | J Cell Biol | WB |

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

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

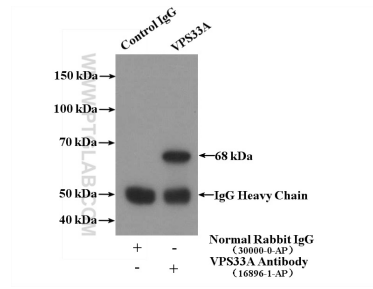
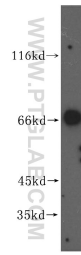
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 16896-1-AP (VPS33A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP result of anti-VPS33A (IP:16896-1-AP, 4ug; Detection:16896-1-AP 1:600) with HepG2 cells lysate 1600ug.