

For Research Use Only

VPS33A Polyclonal antibody

Catalog Number: 16896-1-AP

Featured Product

12 Publications



Basic Information

Catalog Number:

16896-1-AP

Concentration:

450 ug/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 ug for 1.0-3.0 mg of total
protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 Sindhwani	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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

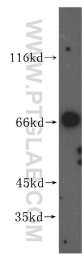
T: 4006900926

E: Proteintech-CN@ptglab.com

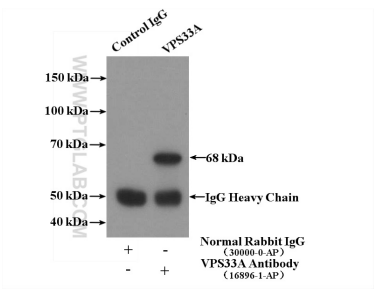
W: ptgcn.com

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Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 16896-1-AP (VP533A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-VP533A (IP:16896-1-AP, 4ug; Detection:16896-1-AP 1:600) with HepG2 cells lysate 1600ug.