

For Research Use Only

VPS33A Polyclonal antibody

Catalog Number: 16896-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

16896-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 240 ug/ml by Bradford method using BSA as the standard;

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

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

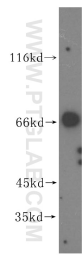
For technical support and original validation data for this product please contact:

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

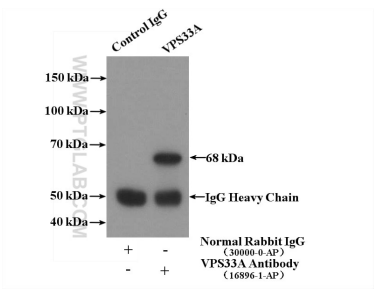
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.