

For Research Use Only

VPS33A Polyclonal antibody

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



Basic Information

Catalog Number: 16896-1-AP	GenBank Accession Number: BC016617	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 240 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 65082	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: vacuolar protein sorting 33 homolog A (S. cerevisiae)	
Isotype: IgG	Calculated MW: 596 aa, 68 kDa	
Immunogen Catalog Number: AG10422	Observed MW: 68 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : human brain tissue, HepG2 cells, human cerebellum tissue, NIH/3T3 cells IP : HepG2 cells,
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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

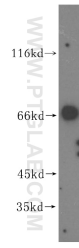
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

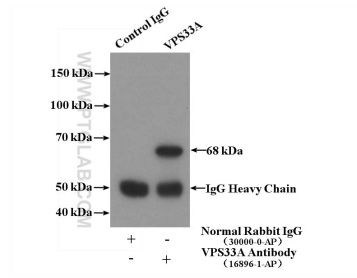
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 (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.