

VPS45 Polyclonal antibody

Catalog Number: 12616-1-AP

1 Publications

Basic Information

Catalog Number: 12616-1-AP	GenBank Accession Number: BC028382	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11311	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: vacuolar protein sorting 45 homolog (S. cerevisiae)	
Isotype: IgG	Calculated MW: 570 aa, 65 kDa	
Immunogen Catalog Number: AG3289	Observed MW: 65-70 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse liver tissue, rat pancreas tissue, human kidney tissue, mouse brain tissue
Species Specificity: human, mouse, rat	IP : mouse kidney tissue,
Cited Species: human	

Background Information

The Sec1/Munc18 (SM) family of proteins regulate intracellular trafficking through interactions with individual SNARE (soluble N-ethylmaleimide-sensitive factor attachment protein receptor) proteins and assembled SNARE complexes. The SM protein VPS45 (Vacuolar protein sorting-associated protein 45) has a calculated molecular mass of 65 kDa and shares 38% identity with yeast Vps45 which is required for the formation of yeast endosomal SNARE complexes and is thus essential for traffic through the endosomal system. VPS45 may play a role in vesicle-mediated protein trafficking from the Golgi stack through the trans-Golgi network. (PMID: 8996080; 23166732)

Notable Publications

Author	Pubmed ID	Journal	Application
Laufman Orly O	23378023	J Cell Sci	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.

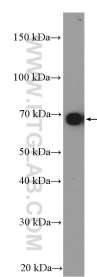
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

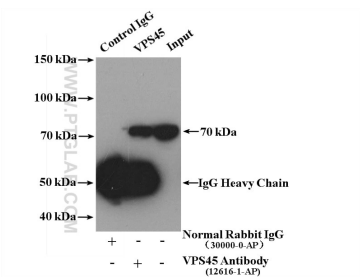
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
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Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 12616-1-AP (VPS45 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-VPS45 (IP:12616-1-AP, 4ug; Detection:12616-1-AP 1:300) with mouse kidney tissue lysate 3000 ug.