

For Research Use Only

VPS45 Polyclonal antibody

Catalog Number: 12616-1-AP

2 Publications



Basic Information

Catalog Number:

12616-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3289

GenBank Accession Number:

BC028382

GeneID (NCBI):

11311

UNIPROT ID:

Q9NRW7

Full Name:

vacuolar protein sorting 45 homolog (S. cerevisiae)

Calculated MW:

570 aa, 65 kDa

Observed MW:

65-70 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

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse liver tissue, rat pancreas tissue, human kidney tissue, mouse brain tissue

IP: mouse kidney tissue,

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 |
|----------------|-----------|--------------|-------------|
| Renhou Zhi | 39835603 | Mol Carcinog | WB |
| 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

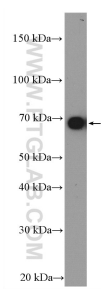
For technical support and original validation data for this product please contact:

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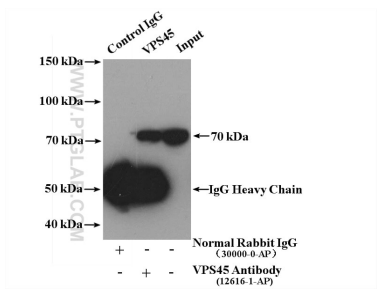
E: proteintech@ptglab.com
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Selected Validation Data



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.