

For Research Use Only

VPS45

Polyclonal ANTIBODY



Catalog Number: 12616-1-AP

Basic Information

Catalog Number:
12616-1-AP

Size:
150UL, Concentration: 267 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3289

GenBank Accession Number:
BC028382

GeneID (NCBI):
11311

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 µg for IP and 1:200-1:1000 for WB

Applications

Tested Applications:
IP, WB, ELISA

Species Specificity:
human, mouse, rat

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)

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

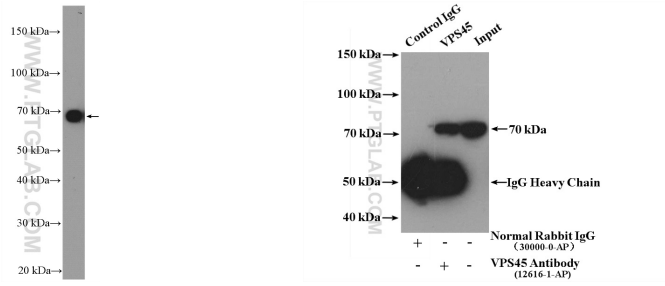
For technical support and original validation data for this product please contact:

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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.