

# VPS45 Polyclonal antibody

Catalog Number: 12616-1-AP

1 Publications

## Basic Information

## Catalog Number:

12616-1-AP

## Size:

450 µg/ml

## 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

## 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
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

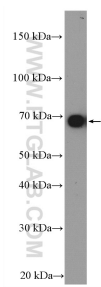
For technical support and original validation data for this product please contact:

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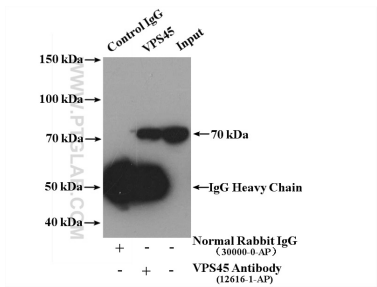
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## Selected Validation Data



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.