

For Research Use Only

# VPS4A/B Polyclonal antibody

Catalog Number: 17673-1-AP

Featured Product

11 Publications



## Basic Information

Catalog Number:

17673-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11610

GenBank Accession Number:

BC039574

GeneID (NCBI):

9525

UNIPROT ID:

O75351

Full Name:

vacuolar protein sorting 4 homolog B (S. cerevisiae)

Calculated MW:

444 aa, 49 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

Tested Applications:

WB, FC (Intra), IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : A431 cells, mouse skin tissue, HEK-293 cells, HeLa cells, NIH/3T3 cells

IP : HeLa cells,

## Background Information

VPS4 (Vacuolar protein sorting-associated protein 4) is involved in intracellular protein trafficking, presumably at a late endosomal protein transport step. Human VPS4 has two orthologous proteins named VPS4A and VPS4B. This antibody can recognize both VPS4A and VPS4B due to their high homology.

## Notable Publications

| Author              | Pubmed ID | Journal    | Application |
|---------------------|-----------|------------|-------------|
| Denghui Wei         | 32958903  | Cell Res   | WB          |
| Benjamin M Schwenk  | 27621269  | EMBO J     | WB, IF      |
| Gabrielle Parkinson | 34657963  | 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

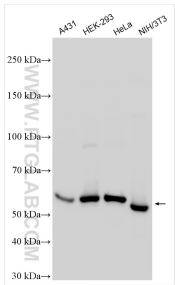
For technical support and original validation data for this product please contact:

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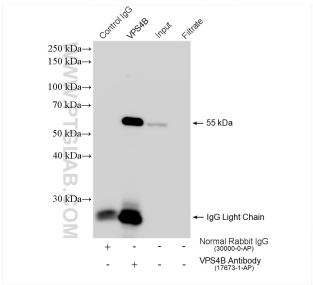
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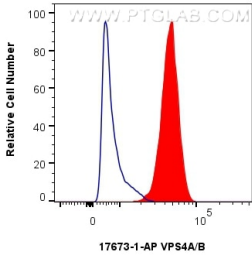
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17673-1-AP (VPS4A/B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-VPS4A/B (IP:17673-1-AP, 4ug; Detection:17673-1-AP 1:3000) with HeLa cells lysate 1360 ug.



1x10<sup>6</sup> A431 cells were intracellularly stained with 0.25 ug VPS4A/B Polyclonal antibody (17673-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).