

For Research Use Only

# VPS11 Polyclonal antibody

Catalog Number: 19140-1-AP

Featured Product

7 Publications



## Basic Information

**Catalog Number:**

19140-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6227

**GenBank Accession Number:**

BC065563

**GeneID (NCBI):**

55823

**UNIPROT ID:**

Q9H270

**Full Name:**

vacuolar protein sorting 11 homolog  
(S. cerevisiae)

**Calculated MW:**

108 kDa

**Observed MW:**

108-112 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

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

## Applications

**Tested Applications:**

FC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Positive Controls:**

**WB:** HEK-293 cells, human brain tissue, mouse pancreas tissue, mouse brain tissue, human kidney tissue, human heart tissue, HeLa cells, K-562 cells, rat brain tissue

**IP:** HEK-293 cells,

## Background Information

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. In yeast, Vps proteins are involved in the trafficking of endocytic and biosynthetic proteins to the vacuole, which functionally resembles the lysosome of higher organisms. VPS11 is the human homolog of the yeast class C Vps11 protein, a subunit of HOPS (homotypic fusion and protein transport) complex. Mammalian Vps11 may play a role in vesicle-mediated protein trafficking to lysosomal compartments and in membrane docking/fusion reactions of late endosomes/lysosomes.

## Notable Publications

| Author                    | Pubmed ID | Journal     | Application |
|---------------------------|-----------|-------------|-------------|
| Morag R Hunter            | 28931724  | Biochem J   | WB,IP       |
| Magdalena Banach-Orłowska | 30333141  | J Cell Sci  | IF,WB       |
| Rik van der Kant          | 26463206  | J Biol Chem | WB, IF      |

## 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:

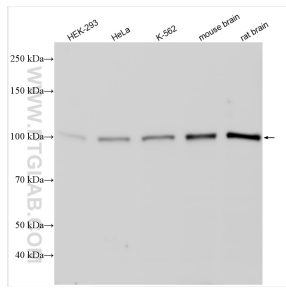
T: 4006900926

E: Proteintech-CN@ptglab.com

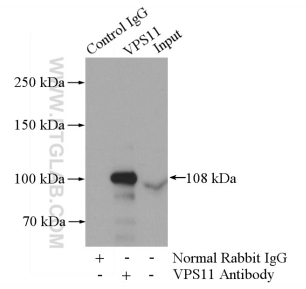
W: ptgcn.com

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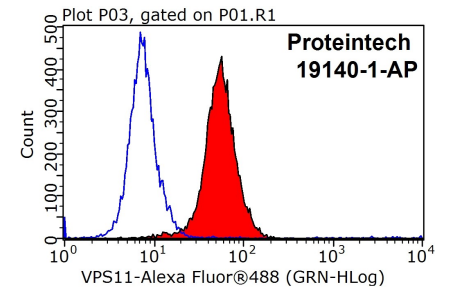
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19140-1-AP (VPS11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



IP result of anti-VPS11 (IP:19140-1-AP, 4ug; Detection:19140-1-AP 1:500) with HEK-293 cells lysate 1480ug.



1X10<sup>6</sup> HepG2 cells were stained with 0.2ug VPS11 antibody (19140-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.