

For Research Use Only

# VPS11 Polyclonal ANTIBODY



Catalog Number: 19140-1-AP

Featured Product

6 Publications

## Basic Information

**Catalog Number:**

19140-1-AP

**Size:**

150UL, Concentration: 167 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG6227

**GenBank Accession Number:**

BC065563

**GeneID (NCBI):**

55823

**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 1:500-1:3000

IP 0.5-4.0 ug for IP and 1:500-1:1000

for WB

IF 1:10-1:100

## Applications

**Tested Applications:**

FC, IF, IP, WB, ELISA

**Cited Applications:**

IF, IP, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Positive Controls:**

**WB:** human brain tissue, HEK-293 cells, human heart tissue, human kidney tissue, mouse brain tissue, mouse pancreas tissue

**IP:** HEK-293 cells,

**IF:** HepG2 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

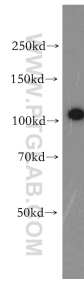
For technical support and original validation data for this product please contact:

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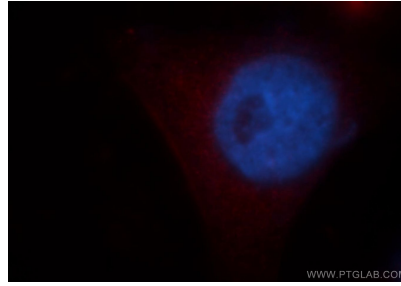
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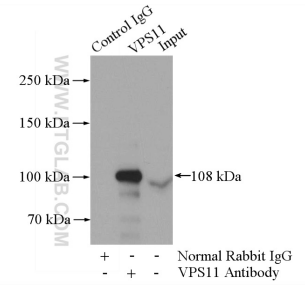
## Selected Validation Data



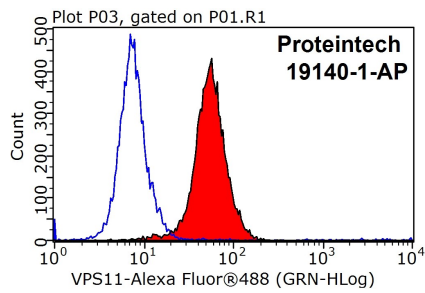
human brain tissue were subjected to SDS PAGE followed by western blot with 19140-1-AP (VPS11 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using VPS11 antibody 19140-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



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.