

For Research Use Only

# VPS18 Polyclonal antibody

Catalog Number: 10901-1-AP

6 Publications



## Basic Information

Catalog Number:

10901-1-AP

Concentration:

260 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1140

GenBank Accession Number:

BC001513

GeneID (NCBI):

57617

UNIPROT ID:

Q9P253

Full Name:

vacuolar protein sorting 18 homolog  
(S. cerevisiae)

Calculated MW:

110 kDa

Observed MW:

100-110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

**Note-IHC: suggested antigen retrieval with  
TE buffer pH 9.0; (\*) Alternatively, antigen  
retrieval may be performed with citrate  
buffer pH 6.0**

Positive Controls:

WB : mouse brain tissue,

IP : HeLa cells,

IHC : human lung cancer tissue, human testis tissue,  
mouse brain tissue, mouse testis tissue

IF/ICC : A549 cells,

## Background Information

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Vps18 is a central member of Vps-C complex. Vps18 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 |
|--------------|-----------|---------------|-------------|
| Changyi Ji   | 30744518  | Autophagy     | WB          |
| QiuHong Shen | 32264736  | Autophagy     | WB          |
| Ying Dang    | 39859159  | Int J Mol 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:

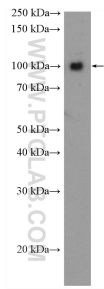
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

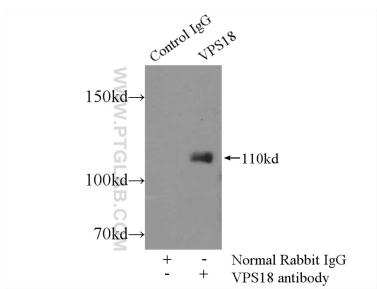
W: [ptgcn.com](http://ptgcn.com)

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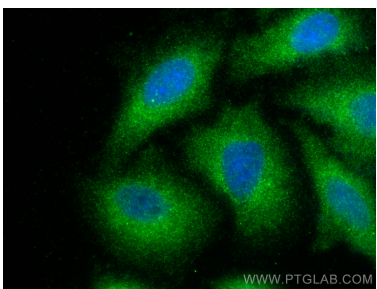
Selected Validation Data



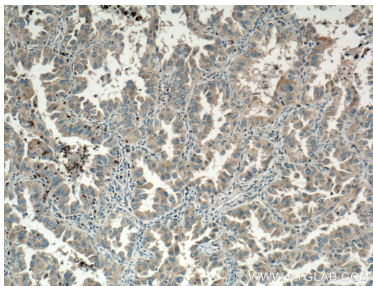
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10901-1-AP (VPS18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



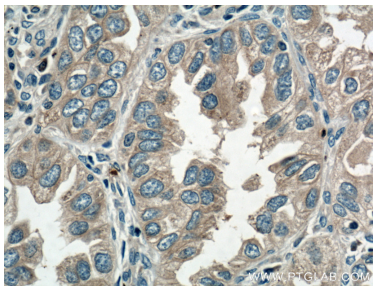
IP result of anti-VPS18 (IP:10901-1-AP, 4ug; Detection:10901-1-AP 1:300) with HeLa cells lysate 920ug.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using VPS18 antibody (10901-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10901-1-AP (VPS18 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10901-1-AP (VPS18 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).