

For Research Use Only

VPS18 Polyclonal antibody

Catalog Number: 10901-1-AP **5 Publications**



Basic Information

Catalog Number:

10901-1-AP

Size:

260 µg/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 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

IF 1:20-1:200

Applications

Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB: mouse brain tissue,

IP: HeLa cells,

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

IF: A549 cells,

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

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
Anna Ulbricht	23434281	Curr Biol	WB
Changyi Ji	30744518	Autophagy	WB
Wang Zheng	35913916	Autophagy	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:

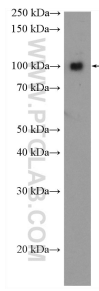
T: 4006900926

E: Proteintech-CN@ptglab.com

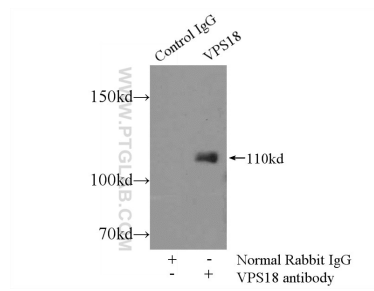
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

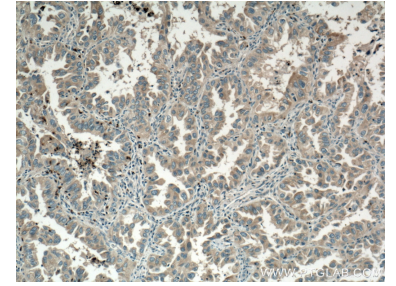
Selected Validation Data



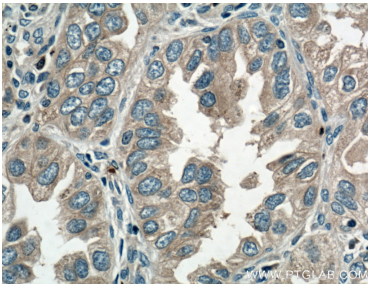
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10901-1-AP (VPS18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



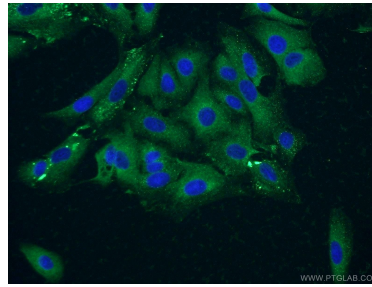
IP result of anti-VPS18 (IP:10901-1-AP, 4 μ g; Detection:10901-1-AP 1:300) with HeLa cells lysate 920 μ g.



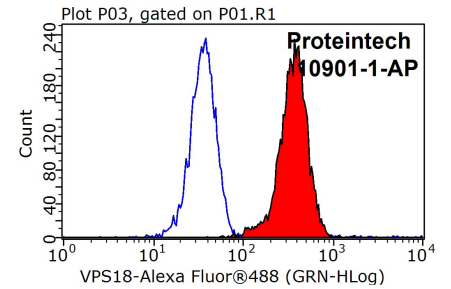
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10901-1-AP (VPS18 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of A549 cells using 10901-1-AP (VPS18 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ K-562 cells were stained with 0.2 μ g VPS18 antibody (10901-1-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.