For Research Use Only

VPS18 Polyclonal antibody

Catalog Number:10901-1-AP 10 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
10901-1-AP

Size:
150ul , Concentration: 260 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;

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, IP

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
Liang Guo	42537404	Virulence	

Storage

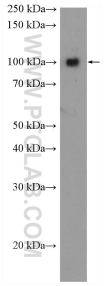
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

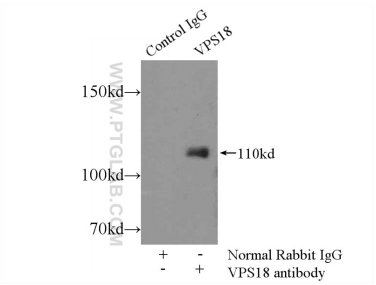
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

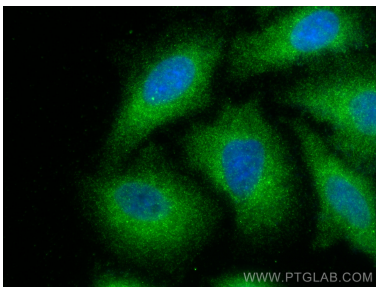
Selected Validation Data



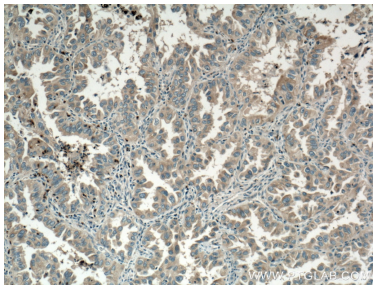
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10901-1-AP (VPS18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



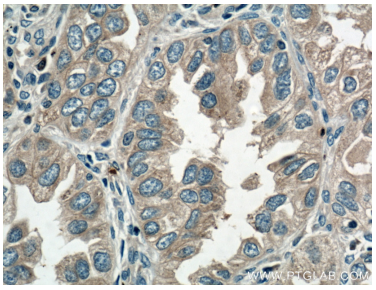
IP result of anti-VPS18 (IP:10901-1-AP, 4ug; Detection:10901-1-AP 1:300) with HeLa cells lysate 920ug.



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).