

For Research Use Only

VPS18 Polyclonal antibody

Catalog Number: 10901-1-AP **7 Publications**



Basic Information

Catalog Number: 10901-1-AP	GenBank Accession Number: BC001513	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 260 ug/ml by Nanodrop and 227 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57617	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
Source: Rabbit	UNIPROT ID: Q9P253	
Isotype: IgG	Full Name: vacuolar protein sorting 18 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG1140	Calculated MW: 110 kDa	
	Observed MW: 100-110 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	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,
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

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
Qihong Shen	32264736	Autophagy	WB
Fenglei Jian	39788987	Nat Commun	WB,IP

Storage

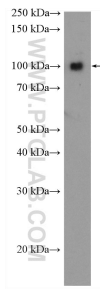
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

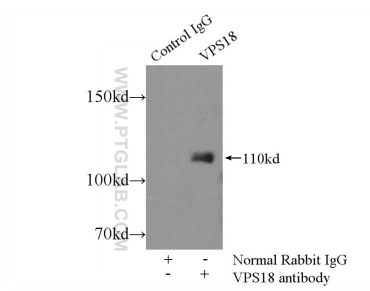
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

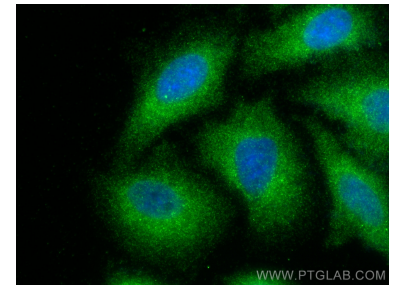
Selected Validation Data



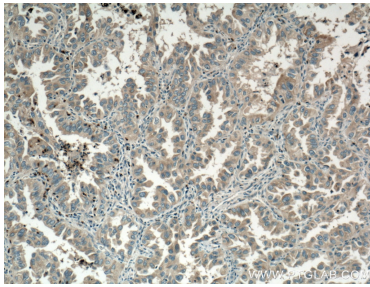
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10901-1-AP (VPS18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



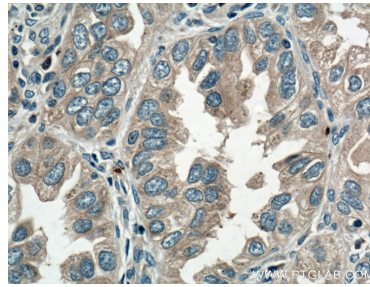
IP result of anti-VPS18 (IP:10901-1-AP, 4 μ g; Detection:10901-1-AP 1:300) with HeLa cells lysate 920 μ g.



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).