

For Research Use Only

VPS37A Polyclonal antibody

Catalog Number: 11870-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 11870-1-AP	GenBank Accession Number: BC022363	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 137492	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Source: Rabbit	Full Name: vacuolar protein sorting 37 homolog A (S. cerevisiae)	IF 1:50-1:500
Isotype: IgG	Calculated MW: 44 kDa	
Immunogen Catalog Number: AG2453	Observed MW: 45 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

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 : HeLa cells, human liver tissue, MCF-7 cells, mouse liver tissue, rat liver tissue

IHC : human kidney tissue,

IF : human liver tissue,

Background Information

VPS37A, also named as HCRP1, belongs to the VPS37 family. It is a regulator of vesicular trafficking process. VPS37A is a member of the endosomal sorting complex required for transport (ESCRT) system, in upper motor neuron disease. ESCRT has been shown to play a central role in intracellular trafficking, in the maturation of multivesicular bodies and the sorting of ubiquitinated membrane proteins into internal luminal vesicles.

Notable Publications

Author	Pubmed ID	Journal	Application
Hao Xu	28963677	Virchows Arch	WB,IHC
Jalal M Kazan	34761192	iScience	WB
Revathi Sekar	36243006	Cell Metab	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

*** 20ul sizes contain 0.1% BSA

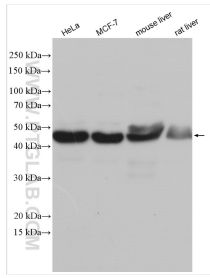
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

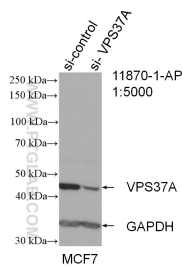
E: proteintech@ptglab.com
W: ptglab.com

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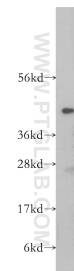
Selected Validation Data



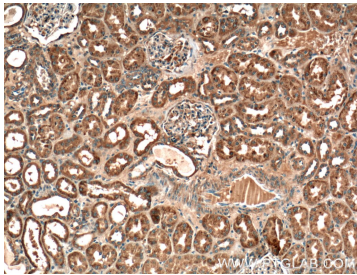
Various lysates were subjected to SDS PAGE followed by western blot with 11870-1-AP (VPS37A antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



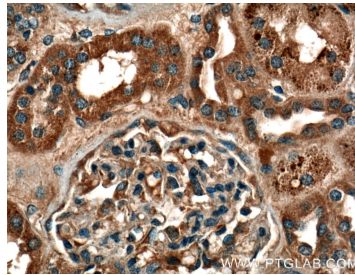
WB result of VPS37A antibody (11870-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPS37A transfected MCF-7 cells.



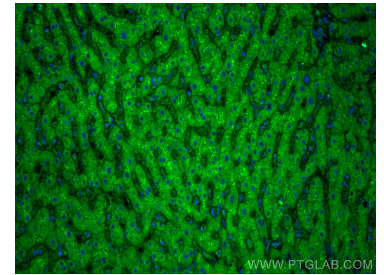
human liver tissue were subjected to SDS PAGE followed by western blot with 11870-1-AP (VPS37A antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11870-1-AP (VPS37A antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11870-1-AP (VPS37A antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed human liver tissue using VPS37A antibody (11870-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).