

For Research Use Only

VPS52 Polyclonal antibody

Catalog Number: 11662-2-AP **2 Publications**



Basic Information

Catalog Number: 11662-2-AP	GenBank Accession Number: BC032108	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6293	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: vacuolar protein sorting 52 homolog (S. cerevisiae)	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 723 aa, 82 kDa	
Immunogen Catalog Number: AG2180	Observed MW: 82 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls: WB : HepG2 cells, COLO 320 cells, mouse skin tissue
Cited Applications: IHC, WB	IP : mouse skin tissue,
Species Specificity: human, mouse, rat	IHC : human gliomas tissue,
Cited Species: human, mouse	IF : HepG2 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

VPS52 is a component of the Golgi-associated retrograde protein (GARP) complex, also called VFT (VPS fifty-three) complex, composed of VPS51, VPS52, VPS53 and VPS54. GARP complex functions in traffic from endosomes the trans-Golgi network (PMID: 15878329). GARP proteins interact with RAB proteins and SNARE proteins. VPS52 may play a role in the development of a multicellular organism through cell-cell interactions (PMID: 23142660).

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Zhang	28791438	J Mol Med (Berl)	IHC, WB
Jian Wei	28658628	Cell Rep	WB

Storage

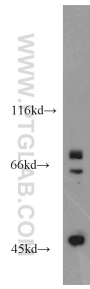
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

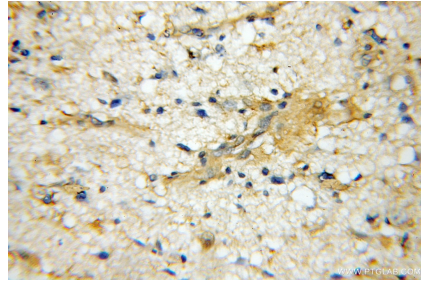
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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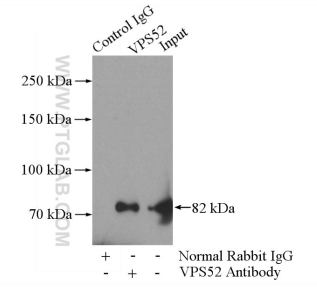
Selected Validation Data



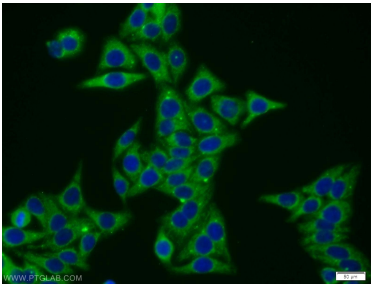
HepG2 cells were subjected to SDS PAGE followed by western blot with 11662-2-AP (VPS52 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11662-2-AP (VPS52 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-VPS52 (IP:11662-2-AP, 3ug; Detection:11662-2-AP 1:1000) with mouse skin tissue lysate 3200ug.



Immunofluorescent analysis of HepG2 cells using 11662-2-AP (VPS52 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).