

For Research Use Only

VPS52 Polyclonal antibody

Catalog Number: 11662-2-AP

2 Publications



Basic Information

Catalog Number:

11662-2-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 307 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2180

GenBank Accession Number:

BC032108

GeneID (NCBI):

6293

UNIPROT ID:

Q8N1B4

Full Name:

vacuolar protein sorting 52 homolog (S. cerevisiae)

Calculated MW:

723 aa, 82 kDa

Observed MW:

82 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 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : HepG2 cells, COLO 320 cells, mouse skin tissue

IP : mouse skin tissue,

IHC : human gliomas tissue,

IF/ICC : HepG2 cells,

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

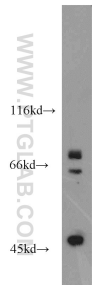
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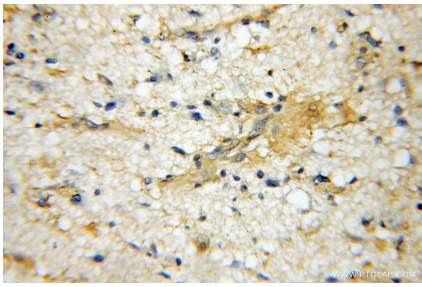
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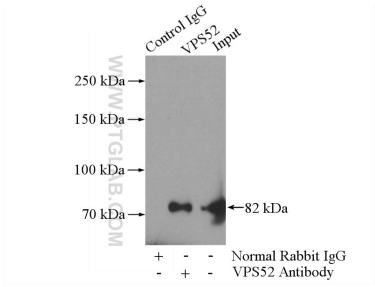
Selected Validation Data



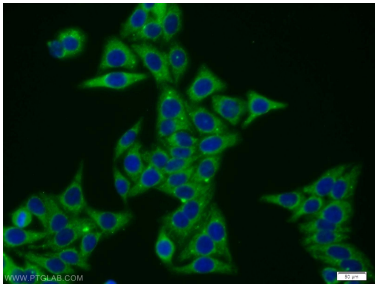
HepG2 cells were subjected to SDS PAGE followed by western blot with 11662-2-AP (VPS52 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L).