

For Research Use Only

VPS53 Polyclonal antibody

Catalog Number: 12824-1-AP

1 Publications



Basic Information

Catalog Number:

12824-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3518

GenBank Accession Number:

BC029560

GeneID (NCBI):

55275

UNIPROT ID:

Q5VIR6

Full Name:

vacuolar protein sorting 53 homolog (S. cerevisiae)

Calculated MW:

832 aa, 94 kDa

Observed MW:

95-97 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

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 : mouse liver tissue, human liver tissue, L02 cells

IP : mouse liver tissue,

IHC : human stomach tissue,

Background Information

VPS53 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 to the trans-Golgi network (PMID: 15878329). GARP proteins interact with RAB proteins and SNARE proteins.

Notable Publications

Author	Pubmed ID	Journal	Application
Pauline E Schneeberger	34037727	Brain	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

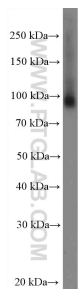
For technical support and original validation data for this product please contact:

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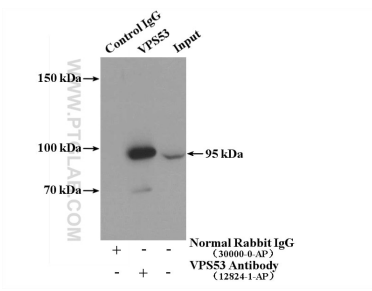
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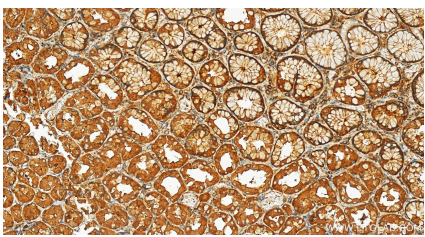
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 12824-1-AP (VP553 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-VP553 (IP:12824-1-AP, 4ug; Detection:12824-1-AP 1:500) with mouse liver tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 12824-1-AP (VP553 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).