

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**

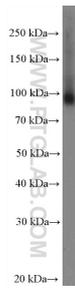
For technical support and original validation data for this product please contact:

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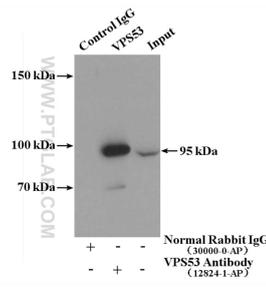
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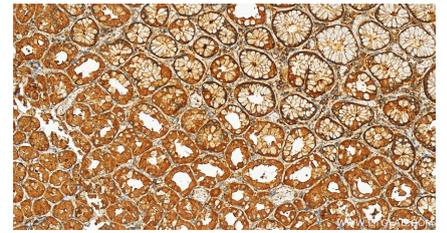
## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 12824-1-AP (VPS53 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP result of anti-VPS53 (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 (VPS53 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).