

For Research Use Only

# VPS13B Polyclonal antibody

Catalog Number: 24505-1-AP

4 Publications



## Basic Information

### Catalog Number:

24505-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG21368

### GenBank Accession Number:

BC132978

### GeneID (NCBI):

157680

### UNIPROT ID:

Q7Z7G8

### Full Name:

vacuolar protein sorting 13 homolog B (yeast)

### Calculated MW:

4022 aa, 449 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse

### 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:

IHC : human liver tissue, mouse brain tissue

IF/ICC : HeLa cells,

## Background Information

VPS13 (vacuolar protein sorting 13) acts at membrane contact sites between intracellular organelles to transport lipids. There are four VPS13 family members in human - VPS13A, VPS13B, VPS13C and VPS13D. Mutations in human VPS13 genes are linked to rare neurodegenerative disorders: chorea-acanthocytosis (VPS13A), Cohen syndrome (VPS13B), predispose to early onset into Parkinson disease (VPS13C) and lead to ataxia/spastic paraplegia (VPS13D) (PMID: 30656912).

## Notable Publications

Author	Pubmed ID	Journal	Application
I-Ling Lu	29950674	Nat Commun	IF
Romain Da Costa	31218450	Cell Mol Life Sci	IF
Berrak Ugur	39331042	J Cell Biol	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

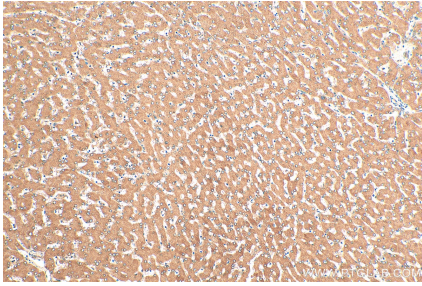
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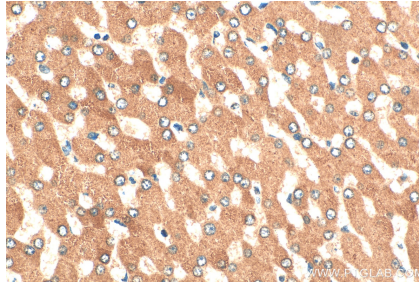
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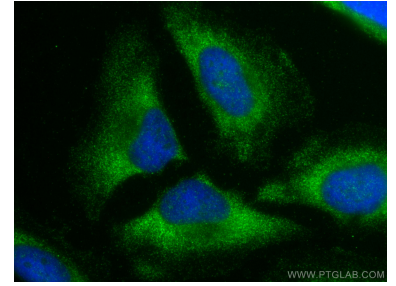
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 24505-1-AP (VPS13B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 24505-1-AP (VPS13B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using VPS13B antibody (24505-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).