

For Research Use Only

# VAPB Monoclonal antibody

Catalog Number: 66191-1-Ig

Featured Product

22 Publications



## Basic Information

### Catalog Number:

66191-1-Ig

### Size:

150ul, Concentration: 1300 ug/ml by Nanodrop and 793 ug/ml by Bradford method using BSA as the standard;

### Source:

Mouse

### Isotype:

IgG1

### Immunogen Catalog Number:

AG6313

### GenBank Accession Number:

BC001712

### GeneID (NCBI):

9217

### UNIPROT ID:

O95292

### Full Name:

VAMP (vesicle-associated membrane protein)-associated protein B and C

### Calculated MW:

27 kDa

### Observed MW:

30-32 kDa

### Purification Method:

Protein A purification

### CloneNo.:

4F6A6

### Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:20-1:200

IF/ICC 1:400-1:1600

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IF, CoIP

### Species Specificity:

human

### Cited Species:

human, mouse, monkey, yeast

**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 : A549 cells, HepG2 cells, LNCaP cells, MCF-7 cells, HeLa cells, Jurkat cells, K-562 cells

IHC : human breast cancer tissue, mouse kidney tissue

IF/ICC : HepG2 cells,

## Background Information

Vesicle-associated membrane protein-associated protein B (VAPB) is an integral membrane protein localized to the endoplasmic reticulum (ER) membrane. VAPB has been implicated in various cellular processes, including ER stress, the unfolded protein response (UPR) and calcium homeostasis regulation. The mutations in the gene of VAPB cause amyotrophic lateral sclerosis 8 (ALS8) and some other related forms of motor neuron disease including late onset spinal muscular atrophy.

## Notable Publications

Author	Pubmed ID	Journal	Application
Qiaoxia Zheng	36198318	Cell	WB
Christina James	31519755	J Biol Chem	WB
Alexa Bishop	31198905	Contact (Thousand Oaks)	WB,IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

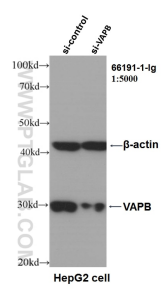
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

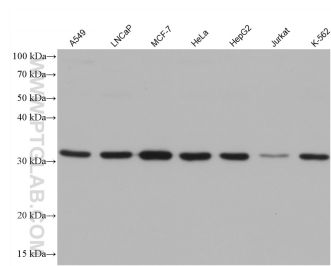
E: proteintech@ptglab.com  
W: ptglab.com

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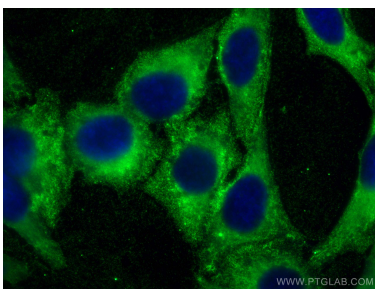
Selected Validation Data



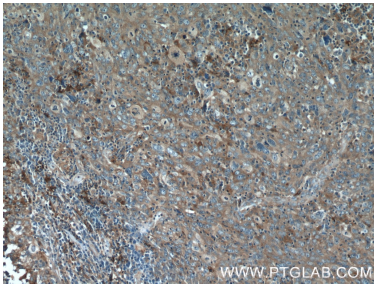
WB result of VAPB antibody (66191-1-Ig, 1:5000) with si-control and si-VAPB transfected HepG2 cells.



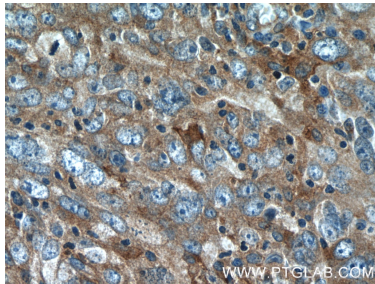
Various lysates were subjected to SDS PAGE followed by western blot with 66191-1-Ig (VAPB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using VAPB antibody (66191-1-Ig, Clone: 4F6A6) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66191-1-Ig (VAPB Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66191-1-Ig (VAPB Antibody) at dilution of 1:50 (under 40x lens).