

For Research Use Only

# VAPB Monoclonal antibody, PBS Only



Catalog Number: 66191-1-PBS

Featured Product

## Basic Information

**Catalog Number:**

66191-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IF, IHC, Indirect ELISA

**Species Specificity:**

human

## 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.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

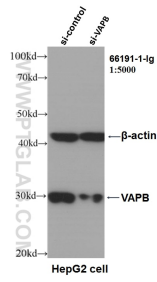
For technical support and original validation data for this product please contact:

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

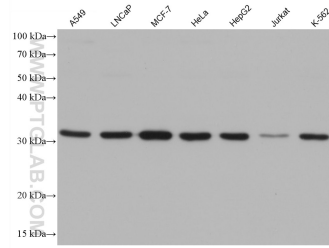
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

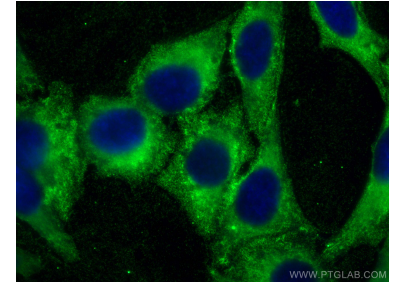
## Selected Validation Data



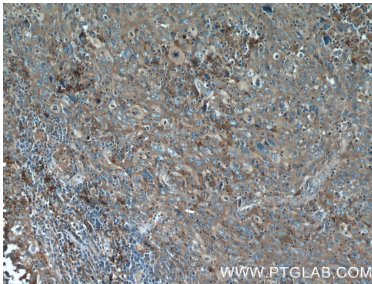
WB result of VAPB antibody (66191-1-Ig, 1:5000) with si-control and si-VAPB transfected HepG2 cells. This data was developed using the same antibody clone with 66191-1-PBS in a different storage buffer formulation.



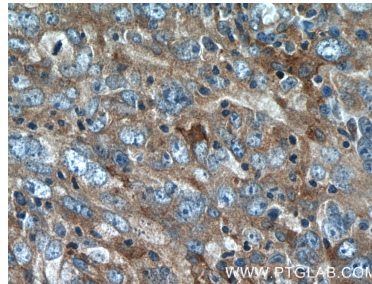
Various lysates were subjected to SDS PAGE followed by western blot with 66191-1-Ig (VAPB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66191-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66191-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66191-1-Ig (VAPB Antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 66191-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66191-1-Ig (VAPB Antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 66191-1-PBS in a different storage buffer formulation.