

VAPB Recombinant monoclonal antibody

Catalog Number: 87770-3-RR

Basic Information

Catalog Number: 87770-3-RR	GenBank Accession Number: BC001712	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 9217	CloneNo.: 253359F2
Isotype: IgG	UNIPROT ID: O95292	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000
Immunogen Catalog Number: AG5857	Full Name: VAMP (vesicle-associated membrane protein)-associated protein B and C	
	Calculated MW: 27 kDa	
	Observed MW: 27 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, rat

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 : HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, rat liver tissue

IHC : human heart tissue,

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:

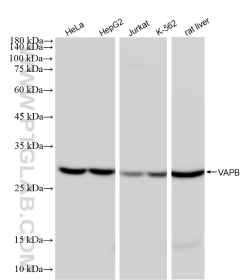
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

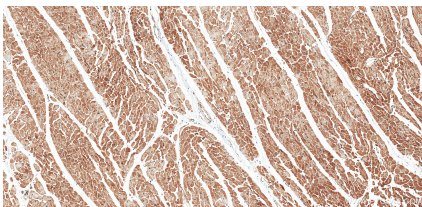
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

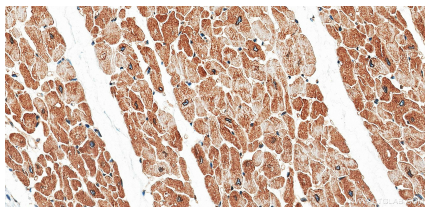
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87770-3-RR (VAPB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 87770-3-RR (VAPB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 87770-3-RR (VAPB antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).