

For Research Use Only

ME1 Monoclonal antibody

Catalog Number: 68117-1-Ig



Basic Information

Catalog Number: 68117-1-Ig	GenBank Accession Number: BC025246	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4199	CloneNo.: 2G9G9
Source: Mouse	UNIPROT ID: P48163	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Full Name: malic enzyme 1, NADP(+)-dependent, cytosolic	
Immunogen Catalog Number: AG9916	Calculated MW: 572 aa, 64 kDa	
	Observed MW: 55-64 kDa	

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat, rabbit, pig

Positive Controls:

WB : A549 cells, pig brain tissue, HCT 116 cells, LNCaP cells, HeLa cells, rabbit brain tissue, rat brain tissue, mouse brain tissue

Background Information

ME1(NADP-dependent malic enzyme) belongs to the malic enzymes family. This malic enzyme catalyzes the reversible oxidative decarboxylation of malate and is a link between the glycolytic pathway and the citric acid cycle. The reaction is L-malate plus NADP(+) to form pyruvate, CO₂, and NADPH.

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

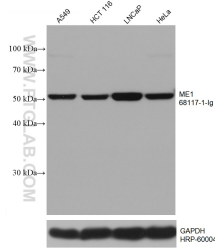
For technical support and original validation data for this product please contact:

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

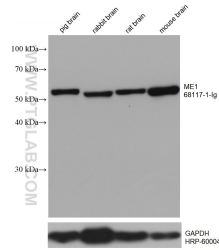
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68117-1-Ig (ME1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 68117-1-Ig (ME1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.