

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	Full Name: malic enzyme 1, NADP(+)-dependent, cytosolic	Recommended Dilutions:
Isotype: IgG2a	Calculated MW: 572 aa, 64 kDa	
Immunogen Catalog Number: AG9916	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, CO(2), and NADPH.

Storage

Storage:

Store at -20°C.

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

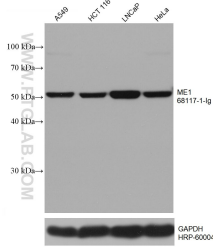
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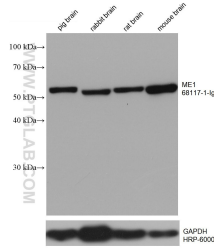
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Selected Validation Data



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.



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