SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Mouse Anti-ME2 antibody

SLM-51670M

Product Name	ME2
Chinese Name	胞浆苹果酸酶 2 单克隆抗体
Alias	Malate dehydrogenase; Malic enzyme 2; Malic enzyme 2 mitochondrial; Malic enzyme 2 NAD(+) dependent mitochondrial; Malic enzyme mitochondrial; Malic enzyme NAD(+) dependent mitochondrial; MAOM_HUMAN; ME 2; mitochondrial; NAD dependent malic enzyme mitochondrial; NAD ME; NAD-dependent malic enzyme; NAD-ME; ODS1; Pyruvic malic carboxylase.
Research Area	Tumour Cell biology Signal transduction
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	J9E1
React Species	Human,Mouse
Applications	WB=1:500-2000,IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	63kDa
Cellular localization	cytoplasmic
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ME2: 501-584/584
Lsotype	IgG1,k
Purification	affinity purified by Protein G
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

PubMed PubMed

This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]

Function:
Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Small ubiquitous enzyme involved in energy metabolism and nucleotide synthesis that is essential for maintenance and cell growth.

Subunit:
Monomer.

Subcellular Location:
Mitochondrion matrix.

Product Detail

Similarity:
Belongs to the malic enzymes family.

SWISS:
P23368

Gene ID:
4200

Database links:

Entrez Gene: 4200 Human

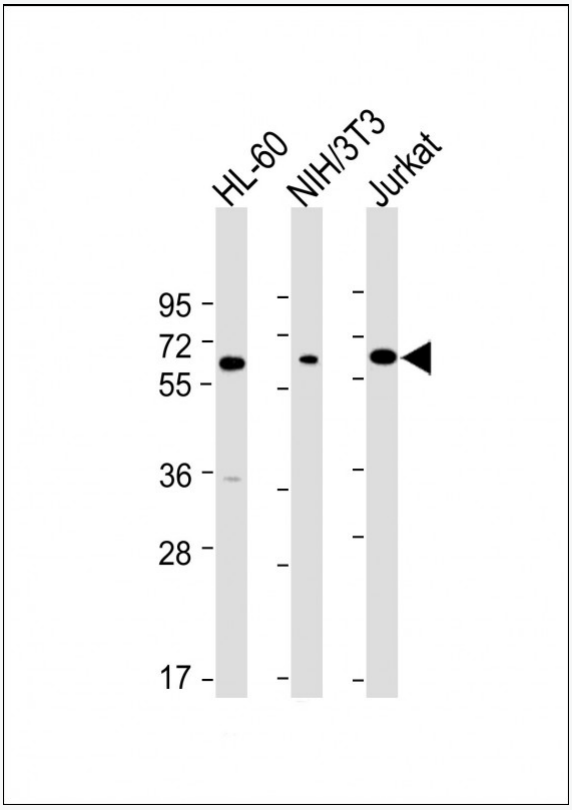
Entrez Gene: 107029 Mouse

SwissProt: P23368 Human

SwissProt: Q99KE1 Mouse

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Product Picture



Sample:

Lane 1: HL-60 cell lysates

Lane 2: NIH/3T3 cell lysates

Lane 3: Jurkat cell lysates

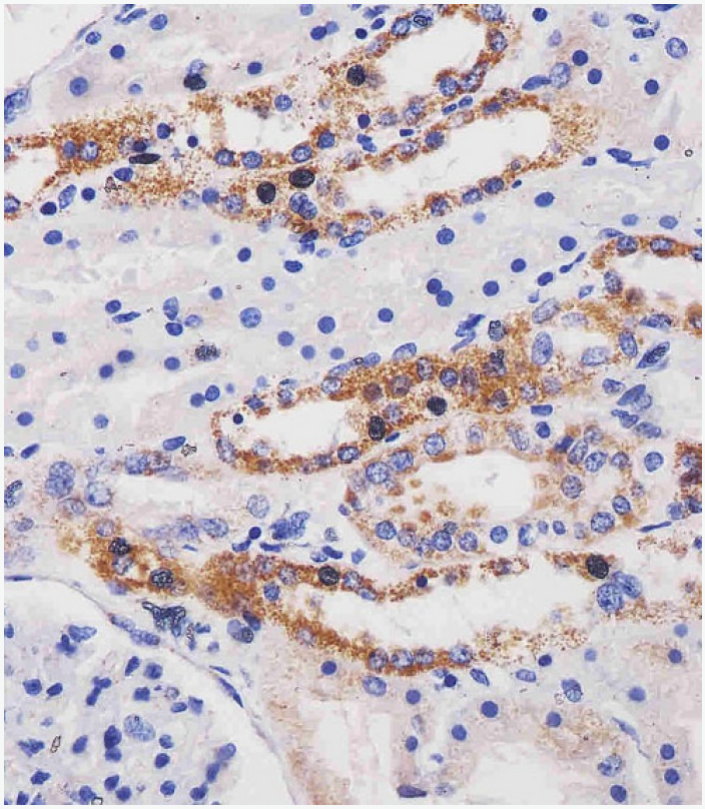
Primary: Anti-ME2 (SLM-51670M) at 1/4000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 63 kD

Observed band size: 63 kD

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com



Paraformaldehyde-fixed, paraffin embedded (human kidney tissue sections); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ME2) Monoclonal Antibody, Unconjugated (SLM-51670M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.