

Rabbit anti-Human, Mouse ME2 Polyclonal Antibody | anti-ME2 antibody

ME2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322553	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

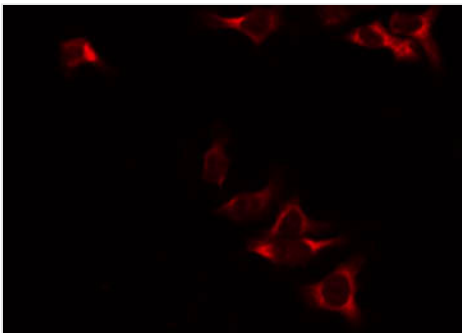
PRODUCT SYNONYMS

ME2; Polyclonal Antibody; ME2 Antibody; 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; anti-ME2 antibody

PRODUCT SPECIFICATIONS

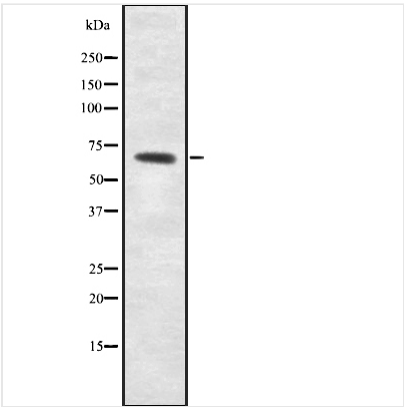
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ME2 antibody detects endogenous levels of total ME2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	479
Applicable Applications for anti-ME2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ME2
Subcellular Location	Mitochondrion Matrix.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (82%), Bovine (82%), Horse (82%), Sheep (82%), Rabbit (82%), Dog (82%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322553 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of ME2 using RAW264.7 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-ME2 antibody	Function: This isoenzyme can also use NADP+ but is more effective with NAD+. Subunit Structure: Homotetramer. Similarity: Belongs to the malic enzymes family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	270265879
NCBI GeneID	4200
NCBI Accession #	NP_001161807.1
NCBI GenBank Nucleotide #	NM_001168335.1
UniProt Accession #	P23368; Q9BWL6; Q9BYG1; Q9H4B2; B2R8J2
Molecular Weight	Observed: 65 kDa Predicted: 66 kDa
NCBI Official Full Name	NAD-dependent malic enzyme, mitochondrial isoform 2
NCBI Official Synonym Full Names	malic enzyme 2
NCBI Official Symbol	ME2
NCBI Official Synonym Symbols	ODS1
NCBI Protein Information	NAD-dependent malic enzyme, mitochondrial
UniProt Protein Name	NAD-dependent malic enzyme, mitochondrial
UniProt Gene Name	ME2
UniProt Synonym Gene Names	NAD-ME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.