

Rabbit ME1 Polyclonal Antibody | anti-ME1 antibody

ME1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40787	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

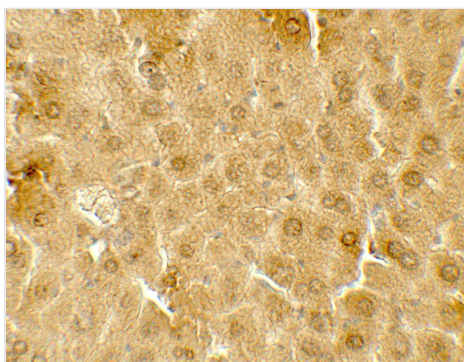
PRODUCT SYNONYMS

ME1; Polyclonal Antibody; ME1 Antibody; MES; HUMNDME; NADP-dependent malic enzyme; Malic enzyme 1; NADP-ME; malic enzyme 1; NADP(+)-dependent; cytosolic; anti-ME1 antibody

PRODUCT SPECIFICATIONS

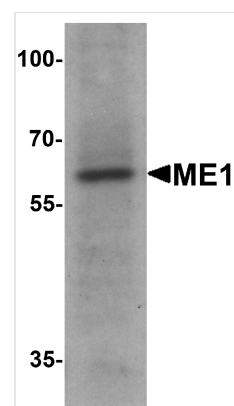
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ME1 antibody is human, mouse and rat reactive. ME1 antibody is predicted not to cross-react with ME2.
Purity/Purification	ME1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	572
Applicable Applications for anti-ME1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ME1 antibody was raised against a 16 amino acid peptide near the amino terminus of human ME1.
Buffer	ME1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ME1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of ME1 in mouse liver tissue with ME1 antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of ME1 in 293 cell lysate with ME1 antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ME1 antibody	ME1, also known as NADP-ME, MES or HUMNDME, may play an important role as a housekeeping protein within the cell (1). ME1 is a 572 amino acid cytoplasmic protein that belongs to the malic enzyme family (2). It is expressed ubiquitously with highest expression in liver and white adipose tissue. ME1 functions as an NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis (3). The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles (3,4). ME1 is regulated by both thyroid hormone levels and the amount of carbohydrates in the diet (5).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505143
NCBI GeneID	4199
NCBI Accession #	NP_002386
NCBI GenBank Nucleotide #	NM_002395.5
UniProt Accession #	P48163; Q16797; Q16855; Q53F72; Q5VWA2; Q9BWX8; Q9H1W3; Q9UIY4; B4DZ70
Molecular Weight	Predicted: 63 kDa Observed: 63 kDa
NCBI Official Full Name	NADP-dependent malic enzyme
NCBI Official Synonym Full Names	malic enzyme 1, NADP(+)-dependent, cytosolic
NCBI Official Symbol	ME1
NCBI Official Synonym Symbols	MES; HUMNDME
NCBI Protein Information	NADP-dependent malic enzyme; NADP-ME; malate dehydrogenase; malic enzyme 1, soluble; Malic enzyme, cytoplasmic; pyruvic-malic carboxylase
UniProt Protein Name	NADP-dependent malic enzyme
UniProt Gene Name	ME1
UniProt Synonym Gene Names	NADP-ME
UniProt Entry Name	MAOX_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/me1-antibody-immunohistochemistry-western-blot-elisa/40787>