

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

ME2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287857	Rabbit	Human, mouse	Western Blot, Immunohistochemistry, ELISA

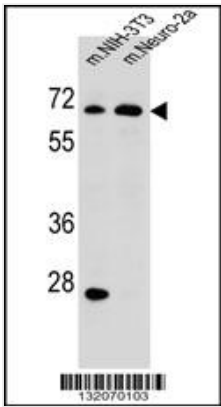
PRODUCT SYNONYMS

ME2; Polyclonal Antibody; ME2 Antibody (C-term); NAD-dependent malic enzyme; mitochondrial; NAD-ME; Malic enzyme 2; anti-ME2 antibody

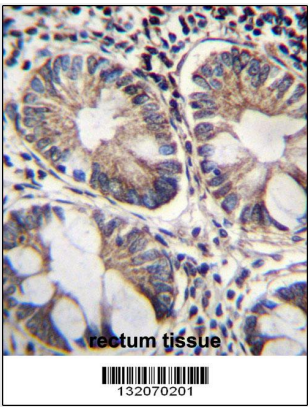
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ME2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 527-556 amino acids from the C-terminal region of human ME2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	527-556
Sequence Length	479
Applicable Applications for anti-ME2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
ME2 Antibody (C-term) western blot analysis in mouse NIH-3T3,Neuro-2a cell line lysates (35ug/lane).This demonstrates the ME2 antibody detected the ME2 protein (arrow).



IHC (Immunohistochemistry)
ME2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ME2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-ME2 antibody	This gene encodes a mitochondrial NAD-dependent malic enzyme, a homotetrameric protein, that catalyzes the oxidative decarboxylation of malate to pyruvate. It had previously been weakly linked to a syndrome known as Friedreich ataxia that has since been shown to be the result of mutation in a completely different gene. Certain single-nucleotide polymorphism haplotypes of this gene have been shown to increase the risk for idiopathic generalized epilepsy. Alternatively spliced transcript variants encoding different isoforms found for this gene. [provided by RefSeq].
Product Categories/Family for anti-ME2 antibody	Metabolism; Signal Transduction
References	MacDonald, M.J., et al. Arch. Biochem. Biophys. 488(2):100-104(2009) French, D., et al. Blood 113(19):4512-4520(2009) Escamilla, M. Pharmacogenomics 8(7):691-695(2007) Chou, W.Y., et al. Biochem. Biophys. Res. Commun. 357(1):133-138(2007) Lenzen, K.P., et al. Epilepsia 46(10):1637-1641(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	270265879
NCBI GeneID	4200
NCBI Accession #	NP_001161807.1; NP_002387.1
NCBI GenBank Nucleotide #	NM_001168335.1
UniProt Accession #	P23368; Q9BWL6; Q9BYG1; Q9H4B2; B2R8J2
Molecular Weight	65444
NCBI Official Full Name	NAD-dependent malic enzyme, mitochondrial isoform 2
NCBI Official Synonym Full Names	malic enzyme 2, NAD(+)-dependent, mitochondrial
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
UniProt Entry Name	MAOM_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/me2-antibody-western-blot-immunohistochemistry-elisa/287857>