



ME2 Monoclonal Antibody

Catalog No	YP-mAb-03952
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ME2
Immunogen	The antiserum was produced against synthesized peptide derived from human ME2. AA range:201-250
Specificity	ME2 Monoclonal Antibody detects endogenous levels of ME2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Malic enzyme 2;ME2;NAD ME;NAD-dependent malic enzyme mitochondrial; NAD-dependent malic enzyme;mitochondrial;NAD-ME
Observed Band	65kD
Calculated Molecular Weight	65kD
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	B-cell,Placenta,Platelet,
Function	catalytic activity:(S)-malate + NAD(+) = pyruvate + CO(2) + NADH., cofactor:Divalent metal cations. Prefers magnesium or manganese.,enzyme regulation:Subject to allosteric activation by fumarate.,miscellaneous:This isoenzyme can also use NADP(+) but is more effective with NAD(+)., similarity:Belongs to the malic enzymes family.,subunit:Homotetramer.,
Background	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, Dec 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

