



# ME3 Monoclonal Antibody

Catalog No	BYmab-02674
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	ME3
Protein Name	NADP-dependent malic enzyme mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human ME3. AA range:545-594
Specificity	ME3 Monoclonal Antibody detects endogenous levels of ME3 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ME3; NADP-dependent malic enzyme; mitochondrial; NADP-ME; Malic enzyme 3
Observed Band	67kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	Expressed predominantly in organs with a low-division rate.
Function	catalytic activity:(S)-malate + NADP(+) = pyruvate + CO(2) + NADPH.,cofactor:Divalent metal cations. Prefers magnesium or manganese.,similarity:Belongs to the malic enzymes family.,tissue specificity:Expressed predominantly in organs with a low-division rate.,
Background	Malic enzyme catalyzes the oxidative decarboxylation of malate to pyruvate using either NAD <sup>+</sup> or NADP <sup>+</sup> as a cofactor. Mammalian tissues contain 3 distinct isoforms of malic enzyme: a cytosolic NADP(+)-dependent isoform, a mitochondrial NADP(+)-dependent isoform, and a mitochondrial NAD(+)-dependent isoform. This gene encodes a mitochondrial NADP(+)-dependent isoform. Multiple alternatively spliced transcript variants have

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been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008],

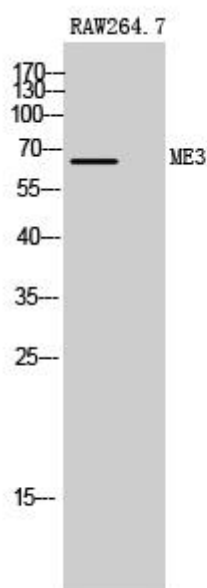
**matters needing attention**

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



Western Blot analysis of various cells using ME3 Monoclonal Antibody