

[Go to Product page](#)

## Datasheet for ABIN709436 **anti-ME1 antibody (AA 451-550)**

### Overview

Quantity:	100 µL
Target:	ME1
Binding Specificity:	AA 451-550
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ME1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Malic enzyme 1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	ME1
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## Target Details

Alternative Name:	ME1 ( <a href="#">ME1 Products</a> )
Background:	<p>Synonyms: Cytosolic malic enzyme 1, HUMNDME, Malate dehydrogenase, Malic enzyme 1, Malic enzyme 1, NADP+ dependent, cytosolic, Malic enzyme 1, soluble, Malic enzyme, cytoplasmic, MES, NADP dependent malic enzyme, NADP ME, Pyruvic malic carboxylase.Cytosolic malic enzyme 1, HUMNDME, Malate dehydrogenase, Malic enzyme 1, Malic enzyme 1, NADP+ dependent, cytosolic, Malic enzyme 1, soluble, Malic enzyme, cytoplasmic, MES, NADP dependent malic enzyme, NADP ME, Pyruvic malic carboxylase.</p> <p>Background: ME1 is a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet.</p>
Gene ID:	4199
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage:	4 °C,-20 °C
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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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Expiry Date:	12 months
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