

Product Name: Malic enzyme 1 Rabbit Polyclonal Antibody
Catalog #: APRab13605

Summary

Production Name	Malic enzyme 1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ME1
Alternative Names	ME1; NADP-dependent malic enzyme; NADP-ME; Malic enzyme 1
Gene ID	4199.0
SwissProt ID	P48163.The antiserum was produced against synthesized peptide derived from human ME1. AA range:468-517

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:40000.
Molecular Weight	64kD

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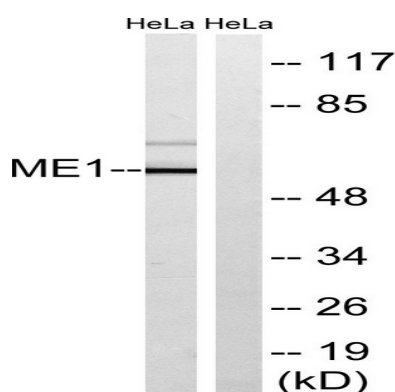
Background

This gene encodes 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. [provided by RefSeq, Jul 2008], catalytic activity: (S)-malate + NADP(+) = pyruvate + CO(2) + NADPH., cofactor: Divalent metal cations. Prefers magnesium or manganese., online information: The Singapore human mutation and polymorphism database, similarity: Belongs to the malic enzymes family., subunit: Homotetramer., tissue specificity: Expressed in all tissues tested including liver, placenta and white adipose tissue.,

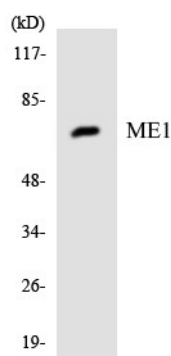
Research Area

Pyruvate metabolism; PPAR;

Image Data



Western blot analysis of lysates from HeLa cells, using ME1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using ME1 antibody.



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Note

For research use only.