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

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:20000-1:40000
Molecular Weight	64kDa

Antigen Information

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

Background

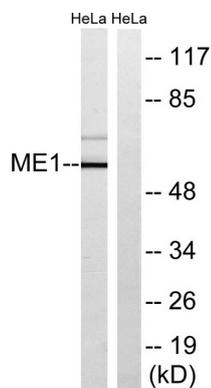
This gene encodes a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this

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.,

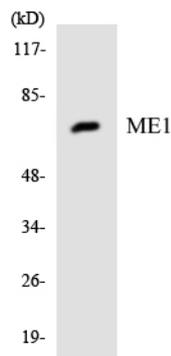
Research Area

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.