

DNAxPAb

Hard-to-Find
Antibody

ME1 DNAxPab

Catalog # H00004199-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ME1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MEPEAPRRRHTHQRGYLLTRNPHLNKDLAFTLEERQQLNHGLLPSPFNSQEIQVLRVVKNFEHLN SDFDRYLLMLDQDRNEKLFYRVLTSIEKFMPMYTPTVGLACQQYSLVFRKPRGLFITIHDRGHIA SVLNAWPEDVIKAMVTDGERILGLDGLGCNGMGIPVGKLALYTACGGMNPQECLPVILDVGTENE ELLKDPLYIGLRQRRVRGSEYDDFLDEFMEAVSSKYGMNCLIQFEDFANVNAFRLLNKYRNQYCT FNDDIQGTASVAVAGLLAALRITKNKLSQQTILFQGAGEAALGIAHLIVMALEKEGLPKEKAIKKIWL VDSKGLMKGRASLTQEKEKFAHEHEEMKNLEAVQEIKPTALIGVAAIGGAFSEQILKDMAAFNER PIIFALSNPTSKAECSAEQCYKITKGRAIFASGSPFDPVTLPNGQTLYPGQGNNSYVFPGVVALGVVA CGLRQITDNIFLTTAEVIAQQVSDKHLEEGRLYPPLNTIRDVSLKIAEKIVKDAYQEKTATVYPEPQNK EAFVRSQMYSTDYDQILPDCYSWPPEEVQKIQTKVDQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — ME1

Entrez GeneID [4199](#)

GeneBank Accession# [NM_002395.3](#)

Protein Accession# [NP_002386.1](#)

Gene Name ME1

Gene Alias HUMNDME, MES

Gene Description malic enzyme 1, NADP(+)-dependent, cytosolic

Omim ID [154250](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations Malic enzyme, cytoplasmic|NADP-dependent malic enzyme|OTTHUMP00000016792|cytosolic malic enzyme 1|malate dehydrogenase|malic enzyme 1, soluble|pyruvic-malic carboxylase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Metabolic pathways](#)

- [PPAR signaling pathway](#)
- [Pyruvate metabolism](#)

Disease

- [Lung Neoplasms](#)