

DNAxPAb

Hard-to-Find
Antibody

ME3 DNAxPab

Catalog # H00010873-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ME3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGAALGTGTRLAPWPGRACGALPRWTPTAPAQQGCHSKPGPARPVPLKKRGYDVTRNPHLNKG MAFTLEERLQLGIHGLIPPCFLGQDVQLLRIMGYERQQSDLDKYIIMTLQDRNEKLFYRVLTSDVE KFMPIVYTPTVGLACQHYGLTFRRPRGLFITIHDKGHLATMLNSWPEDNIKAVVVTDGERILGLGDL GCYGMGIPVGKLALYTACGGVNPQQCLPVLLDVGTNNEELLRDPLYGLKHQRVHKGAYDDLDE FMQAVTDKFGINCLIQFEDFANANAFRLNKYRNKYCMFNDDIQGTASVAVAGILAALRITNNKLSN HVFVFQGAGEAAMGIAHLLVMALEKEGVPKAEATRKMVDSKGLVKGRSHLNHEKEMFAQDH PEVNSLEEVVRLVKPTAIGVAAIAGAFTEQILRDMASFHERPIIFALSNPSTKAECTAEKCYRVTEG RGIFASGSPFKSVTLEDGKTFIPGQGNNAVFPGVALGVIAGGIRHIPDEIFLLTAEQIAQEVSEQHL SQGRLYPPLSTIRDVSLRAIKVLDYAYKHNLASYYPEPKDKEAFVRSVLYTPDYDSFTLDSYTWPK EAMNVQTV
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 — ME3

Entrez GeneID [10873](#)

GeneBank Accession# [DQ896617.2](#)

Protein Accession# [ABM87616.1](#)

Gene Name ME3

Gene Alias FLJ34862

Gene Description malic enzyme 3, NADP(+)-dependent, mitochondrial

Omim ID [604626](#)

Gene Ontology [Hyperlink](#)

Gene Summary Malic enzyme catalyzes the oxidative decarboxylation of malate to pyruvate using either NAD⁺ or NADP⁺ 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 been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq]

Other Designations NADP-ME|malate dehydrogenase|malic enzyme, NADP+-dependent, mitochondrial|mitochondria | NADP(+)-dependent malic enzyme 3|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](#)
- [Pyruvate metabolism](#)

Disease

- [Tobacco Use Disorder](#)