

DNAxPAb

Hard-to-Find
Antibody

MDH2 DNAxPab

Catalog # H00004191-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human MDH2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLSALARPASAAARRSFSTSAQNNAKVAVLGASGGIGQPLSLLKNSPLVSRLTYDIAHTPGVAA DLSHIETKAAVKGYLGPEQLPDCLKGCDVVVIPAGVPRKPGMTRDDL FNTNATVATLTAACAQH CPEAMICVIANPVNSTIPITAEVFKKHGVYNPNKIFGVTTLDVIRANTFVAELKGLDPARVNVPIVIGG HAGKTIIP LISQCTPKVDFPQDQLTALTGRIQEAGTEVVKAKAGAGSATLSMAYAGARFVFSLVDA MNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKNLGIGKVSSFEEKMISDAIPELKASIKKGED FVKTLK
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 — MDH2

Entrez GeneID	4191
GeneBank Accession#	NM_005918.2
Protein Accession#	NP_005909.2
Gene Name	MDH2
Gene Alias	M-MDH, MDH, MGC:3559, MOR1
Gene Description	malate dehydrogenase 2, NAD (mitochondrial)
Omim ID	154100
Gene Ontology	Hyperlink
Gene Summary	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene is localized to the mitochondria and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. [provided by RefSeq]
Other Designations	mitochondrial malate dehydrogenase

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 phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Carbon fixation in photosynthetic organisms](#)
- [Citrate cycle \(TCA cycle\)](#)

- [Glyoxylate and dicarboxylate metabolism](#)
- [Metabolic pathways](#)
- [Pyruvate metabolism](#)
- [Reductive carboxylate cycle \(CO₂ fixation\)](#)

Disease

- [Tobacco Use Disorder](#)