

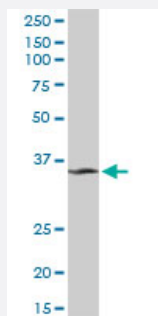
MaxPab®

MDH1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004190-D01P

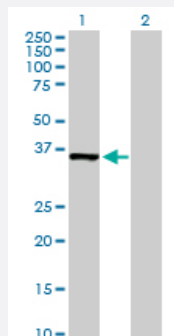
Size 100 ug

Applications



Western Blot (Tissue lysate)

MDH1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MDH1 expression in human spleen.



Western Blot (Transfected lysate)

Western Blot analysis of MDH1 expression in transfected 293T cell line ([H00004190-T01](#)) by MDH1 MaxPab polyclonal antibody.

Lane 1: MDH1 transfected lysate(36.40 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human MDH1 protein.

Immunogen

MDH1 (NP_005908.1, 1 a.a. ~ 334 a.a) full-length human protein.

Sequence

MSEPIRVLVTGAAGQIAYSLLYSIGNGSVFGKDQPIILVLLDITPMMGVLDGVLMEQLQDCALPLLKDV
IATDKEDVAFKDLDAVLVGSMPPREGMERKDLLKANVKIFKSQGAALDKYAKKSVKVVVGNPA
NTNCLTASKSAPSIPKENFSCLTRLDHNRKAQIALKLGVTANDVKNVIWGNHSSSTQYPDVNHAK
VKLQGKEVGVYEALKDDSWLKGEFVTTVQQRGA AVIKARKLSSAMSAKAICDHVRDWFGTPE
GEFVSMGVISDGNSYGVPPDLLYSFPVVIKNTWKVFVEGLPINDFSREKMDLTAKELTEEKESAF
EFLSSA

Host

Rabbit

Reactivity	Human
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 (Tissue lysate)

MDH1 MaxPab rabbit polyclonal antibody. Western Blot analysis of MDH1 expression in human spleen.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of MDH1 expression in transfected 293T cell line ([H00004190-T01](#)) by MDH1 MaxPab polyclonal antibody.

Lane 1: MDH1 transfected lysate(36.40 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — MDH1

Entrez GeneID	4190
GeneBank Accession#	NM_005917.2
Protein Accession#	NP_005908.1
Gene Name	MDH1
Gene Alias	MDH-s, MDHA, MGC:1375, MOR2
Gene Description	malate dehydrogenase 1, NAD (soluble)
Omim ID	154200
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 cytoplasm 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

cytosolic malate dehydrogenase|soluble 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

- [Drug Toxicity](#)
- [Edema](#)
- [Hypercholesterolemia](#)