

MDH1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52021**Specification**

MDH1 Antibody - Product Information

Application	WB, E
Primary Accession	P40925
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36 KDa

MDH1 Antibody - Additional Information**Gene ID** 4190**Other Names**

Malate dehydrogenase, cytoplasmic, Cytosolic malate dehydrogenase, Diiodophenylpyruvate reductase, MDH1, MDHA

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C.Stable for 12 months from date of receipt

MDH1 Antibody - Protein Information**Name** MDH1 {ECO:0000303|PubMed:34012073, ECO:0000312|HGNC:HGNC:6970}**Function**

Catalyzes the reduction of aromatic alpha-keto acids in the presence of NADH (PubMed:2449162, PubMed:3052244). Plays essential roles in the malate-aspartate shuttle and the tricarboxylic acid cycle, important in mitochondrial NADH supply for oxidative phosphorylation (PubMed:31538237). Catalyzes the reduction of 2-oxoglutarate to 2- hydroxyglutarate, leading to elevated reactive oxygen species (ROS) (PubMed:34012073).

Cellular Location

Cytoplasm, cytosol.

MDH1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MDH1 Antibody - Images**MDH1 Antibody - References**

Tanaka T., et al. Genomics 32:128-130(1996).

Lo A.S.Y., et al. Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.

Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).

Hillier L.W., et al. Nature 434:724-731(2005).