

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

**Specification**

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**MDH1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB, E</b>           |
| Primary Accession | <a href="#">P40925</a> |
| Reactivity        | <b>Human, Rat</b>      |
| Host              | <b>Rabbit</b>          |
| Clonality         | <b>Polyclonal</b>      |
| Calculated MW     | <b>36 KDa</b>          |

**MDH1 Antibody - Additional Information**

**Gene ID** 4190

**Other Names**

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

**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](http://www.uniprot.org/citations/2449162), PubMed: [3052244](http://www.uniprot.org/citations/3052244)). Plays essential roles in the malate-aspartate shuttle and the tricarboxylic acid cycle, important in mitochondrial NADH supply for oxidative phosphorylation (PubMed: [31538237](http://www.uniprot.org/citations/31538237)). Catalyzes the reduction of 2-oxoglutarate to 2-hydroxyglutarate, leading to elevated reactive oxygen species (ROS) (PubMed: [34012073](http://www.uniprot.org/citations/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).