

**MDH2 Antibody (monoclonal) (M06)**

Mouse monoclonal antibody raised against a partial recombinant MDH2.

Catalog # AT2826a

**Specification**

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**MDH2 Antibody (monoclonal) (M06) - Product Information**

Application	E
Primary Accession	<a href="#">P40926</a>
Other Accession	<a href="#">NM_005918</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	35503

**MDH2 Antibody (monoclonal) (M06) - Additional Information**

Gene ID 4191

**Other Names**

Malate dehydrogenase, mitochondrial, MDH2

**Target/Specificity**

MDH2 (NP\_005909, 134 a.a. ~ 246 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

MDH2 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

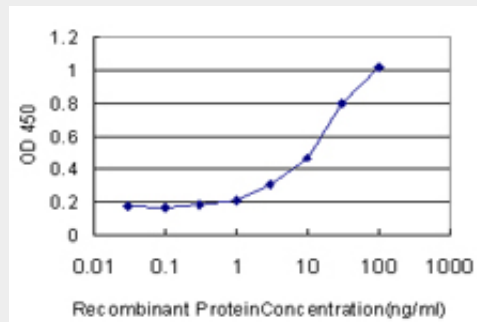
**MDH2 Antibody (monoclonal) (M06) - Protocols**

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](#)

## MDH2 Antibody (monoclonal) (M06) - Images



Detection limit for recombinant GST tagged MDH2 is approximately 1ng/ml as a capture antibody.

## MDH2 Antibody (monoclonal) (M06) - Background

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.

## MDH2 Antibody (monoclonal) (M06) - References

1. Metabolomics-driven approach for the improvement of Chinese hamster ovary cell growth: overexpression of malate dehydrogenase II. Chong WP, Reddy SG, Yusufi FN, Lee DY, Wong NS, Heng CK, Yap MG, Ho YS. *J Biotechnol*. 2010 Apr 2. [Epub ahead of print]