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MDH2 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant MDH2.
Catalog # AT2826a

Specification

MDH2 Antibody (monoclonal) (M06) - Product Information

Application	**E**
Primary Accession	P40926
Other Accession	NM_005918
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 Cytomety

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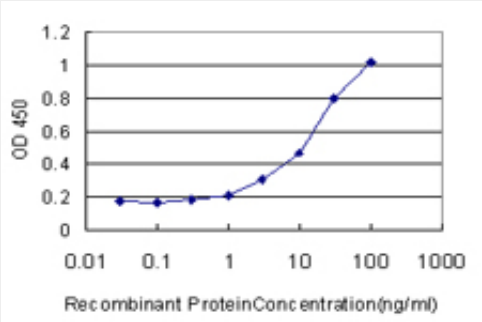
- Cell Culture

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]