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Datasheet for ABIN5596953

**anti-Malate Dehydrogenase (MDH) antibody (HRP)**

## Overview

Quantity:	100 µg
Target:	Malate Dehydrogenase (MDH)
Reactivity:	Pig
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

## Product Details

Immunogen:	Immunogen: Malate Dehydrogenase [Pig Heart] Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity against Malate Dehydrogenase from other sources may occur but has not been specifically determined.
Purification:	Malate Dehydrogenase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Sheep Serum as well as purified and partially purified Malate Dehydrogenase [Pig Heart].

## Target Details

Target:	Malate Dehydrogenase (MDH)
Alternative Name:	Malate Dehydrogenase ( <a href="#">MDH Products</a> )
Background:	<p>Synonyms: Malate dehydrogenase, cytoplasmic EC=1.1.1.37 Cytosolic malate dehydrogenase</p> <p>Background: Malate Dehydrogenase is an enzyme that reversibly catalyzes the oxidation of malate to oxaloacetate using the reduction of NAD<sup>+</sup> to NADH. Malate Dehydrogenase is involved in gluconeogenesis, the synthesis of glucose from smaller molecules. There are two main isoforms in eukaryotic cells. One is found in the mitochondrial matrix the other is found in the cytoplasm.</p> <p>Gene Name: MDH1</p>
Gene ID:	396894
UniProt:	<a href="#">P11708</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a>

## Application Details

Application Notes:	<p>Immunohistochemistry Dilution: 1:500 - 1:2,500</p> <p>Application Note: Anti-Malate Dehydrogenase is useful in ELISA, western blot, and immunohistochemistry. Optimal titers should be obtained by researchers.</p> <p>Western Blot Dilution: 1:1,000 - 1:5,000</p> <p>Immunoprecipitation Dilution: 1:100</p> <p>ELISA Dilution: 1:10,000 - 1:50,000</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution Volume: 100 µL</p> <p>Reconstitution Buffer: Restore with deionized water (or equivalent)</p>
Concentration:	1 mg/mL
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free</p>
Preservative:	Gentamicin sulfate
Precaution of Use:	This product contains Gentamicin sulfate: a POISONOUS AND HAZARDOUS SUBSTANCE which

## Handling

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should be handled by trained staff only.

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Storage: 4 °C,-20 °C

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Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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Expiry Date: 12 months