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Datasheet for ABIN7158954  
**anti-MLYCD antibody (AA 40-493) (Biotin)**

## Overview

Quantity:	100 µg
Target:	MLYCD
Binding Specificity:	AA 40-493
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MLYCD antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Malonyl-CoA decarboxylase, mitochondrial protein (40-493AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	MLYCD
Alternative Name:	MLYCD ( <a href="#">MLYCD Products</a> )
Background:	Background: Catalyzes the conversion of malonyl-CoA to acetyl-CoA. In the fatty acid biosynthesis MCD selectively removes malonyl-CoA and thus assures that methyl-malonyl-CoA

## Target Details

is the only chain elongating substrate for fatty acid synthase and that fatty acids with multiple methyl side chains are produced. In peroxisomes it may be involved in degrading intraperoxisomal malonyl-CoA, which is generated by the peroxisomal beta-oxidation of odd chain-length dicarboxylic fatty acids. Plays a role in the metabolic balance between glucose and lipid oxidation in muscle independent of alterations in insulin signaling. May play a role in controlling the extent of ischemic injury by promoting glucose oxidation.

Aliases: DCMC\_HUMAN antibody, hMCD antibody, Malonyl CoA decarboxylase antibody, Malonyl CoA decarboxylase mitochondrial antibody, Malonyl coenzyme A decarboxylase antibody, Malonyl-CoA decarboxylase antibody, MCD antibody, MGC59795 antibody, mitochondrial antibody, Mlycd antibody

UniProt: [O95822](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.