

Rabbit anti-Human MLYCD Polyclonal Antibody | anti-MLYCD antibody

MLYCD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232586	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

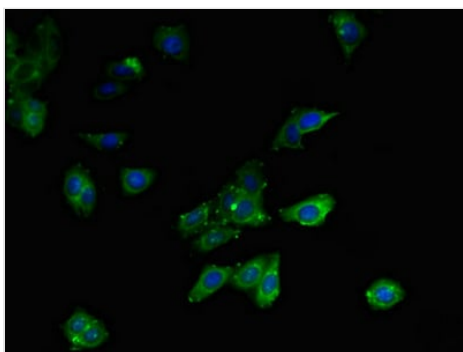
PRODUCT SYNONYMS

MLYCD; Polyclonal Antibody; MLYCD Antibody; Malonyl-CoA decarboxylase; mitochondrial; anti-MLYCD antibody

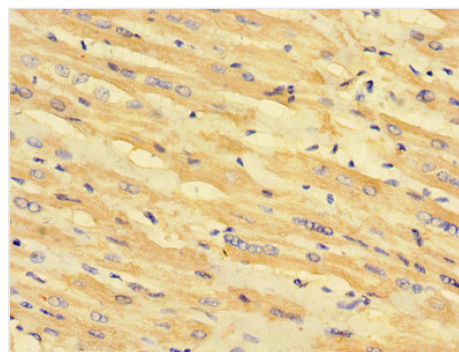
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	493
Applicable Applications for anti-MLYCD antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Malonyl-CoA decarboxylase, mitochondrial protein (40-493AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

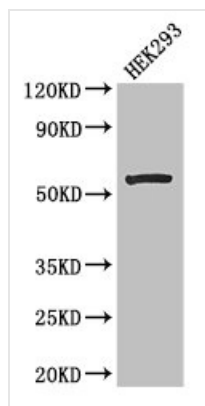
IMAGES


IHC (Immunohistochemisry)

Immunofluorescent analysis of HepG2 cells using AAA232586 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human heart tissue using AAA232586 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: HEK293 whole cell lysate
 All lanes: MLYCD antibody at 2.7ug/ml
 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 56,51 kDa
 Observed band size: 56 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-MLYCD antibody

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 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349750
NCBI GeneID	23417
NCBI Accession #	NP_036345.2
NCBI GenBank Nucleotide #	NM_012213.2
UniProt Accession #	O95822; Q9UNU5; Q9Y3F2
Molecular Weight	50,946 Da
NCBI Official Full Name	malonyl-CoA decarboxylase, mitochondrial
NCBI Official Synonym Full Names	malonyl-CoA decarboxylase
NCBI Official Symbol	MLYCD
NCBI Official Synonym Symbols	MCD
NCBI Protein Information	malonyl-CoA decarboxylase, mitochondrial
UniProt Protein Name	Malonyl-CoA decarboxylase, mitochondrial
UniProt Gene Name	MLYCD
UniProt Synonym Gene Names	MCD
UniProt Entry Name	DCMC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.