10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MCCC2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18978b

Specification

MCCC2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9HCC0

MCCC2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 64087

Other Names
Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial, MCCase subunit beta, 3-methylcrotonyl-CoA carboxylase 2, 3-methylcrotonyl-CoA carboxylase non-biotin-containing subunit, 3-methylcrotonyl-CoA:carbon dioxide ligase subunit beta, MCCC2, MCCB

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MCCC2 Antibody (C-term) Blocking Peptide - Protein Information

Name MCCC2

Synonyms MCCB

Function
Carboxyltransferase subunit of the 3-methylcrotonyl-CoA carboxylase, an enzyme that catalyzes the conversion of 3- methylcrotonyl-CoA to 3-methylglutaconyl-CoA, a critical step for leucine and isovaleric acid catabolism.

Cellular Location
Mitochondrion matrix

MCCC2 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

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MCCC2 Antibody (C-term) Blocking Peptide - Images

MCCC2 Antibody (C-term) Blocking Peptide - Background

This gene encodes the small subunit of3-methylcrotonyl-CoA carboxylase. This enzyme functions as aheterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoAto form 3-methylglutaconyl-CoA. Mutations in this gene areassociated with 3-Methylcrotonylglycinuria, an autosomal recessivedisorder of leucine catabolism.

MCCC2 Antibody (C-term) Blocking Peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Cho, Y.S., et al. Proteins 70(1):268-272(2008)Uematsu, M., et al. J. Hum. Genet. 52(12):1040-1043(2007)Stadler, S.C., et al. Biochem. Biophys. Res. Commun. 334(3):939-946(2005)