

MCCC1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5676c**Specification**

MCCC1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O96RQ3
Other Accession	NP_064551.3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	80473
Antigen Region	397-425

MCCC1 Antibody (Center) - Additional Information**Gene ID** 56922**Other Names**

Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial, MCCase subunit alpha, 3-methylcrotonyl-CoA carboxylase 1, 3-methylcrotonyl-CoA carboxylase biotin-containing subunit, 3-methylcrotonyl-CoA:carbon dioxide ligase subunit alpha, MCCC1, MCCA

Target/Specificity

This MCCC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 397-425 amino acids from the Central region of human MCCC1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MCCC1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MCCC1 Antibody (Center) - Protein Information**Name** MCCC1

Synonyms MCCA

Function Biotin-attachment 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.

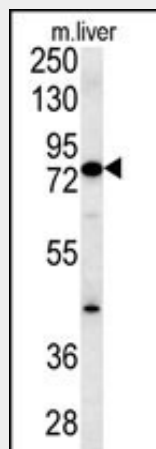
Cellular Location

Mitochondrion matrix

MCCC1 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MCCC1 Antibody (Center) - Images

MCCC1 Antibody (Center) (Cat. #AP5676c) western blot analysis in mouse liver tissue lysates (15ug/lane). This demonstrates the MCCC1 antibody detected MCCC1 protein (arrow).

MCCC1 Antibody (Center) - Background

MCCC1 is the large subunit of 3-methylcrotonyl-CoA carboxylase. This enzyme functions as a heterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoA to form 3-methylglutaconyl-CoA.

MCCC1 Antibody (Center) - References

Holzinger, A., et al. Hum. Mol. Genet. 10(12):1299-1306(2001)
Obata, K., et al. Genomics 72(2):145-152(2001)
Baumgartner, M.R., et al. J. Clin. Invest. 107(4):495-504(2001)
Gallardo, M.E., et al. Am. J. Hum. Genet. 68(2):334-346(2001)