

**MCCC2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5273**

**Specification**

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**MCCC2 Antibody (Center) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">O9HCC0</a>
Reactivity	Human, Rat
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=61,58;M=61;Rat=62 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**MCCC2 Antibody (Center) - Additional Information**

**Gene ID** 64087

**Antigen Region**  
163-189

**Other Names**

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

**Dilution**

WB~~ 1:1000  
IHC-P~~1:10~50  
FC~~1:10~50

**Target/Specificity**

This MCCC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 163-189 amino acids from the Central region of human MCCC2.

**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**

MCCC2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## MCCC2 Antibody (Center) - 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

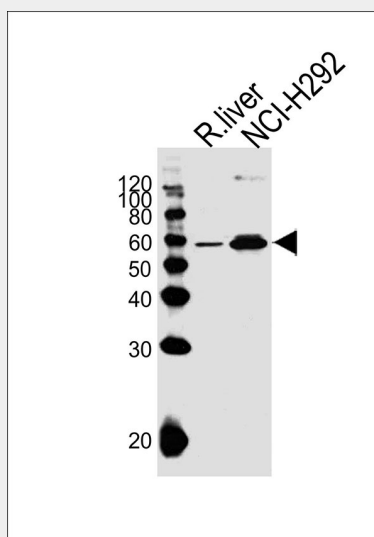
Mitochondrion matrix

## MCCC2 Antibody (Center) - Protocols

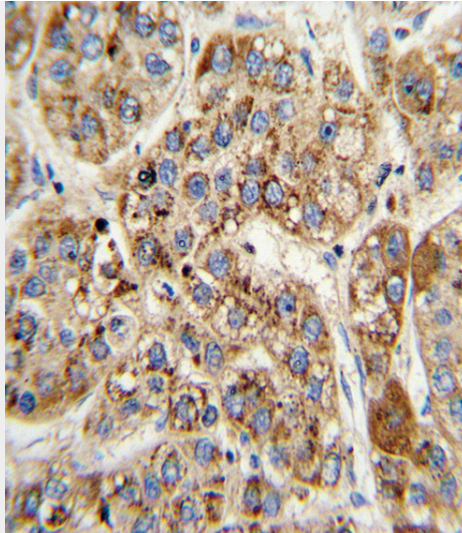
Provided below are standard protocols that you may find useful for product applications.

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

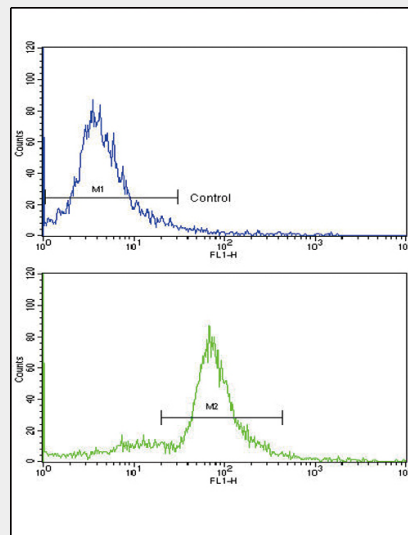
## MCCC2 Antibody (Center) - Images



Western blot analysis of lysates from rat liver tissue and NCI-H292 cell line (from left to right), using MCCC2 Antibody (Center)(Cat. #AW5273). AW5273 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Formalin-fixed and paraffin-embedded human hepatocarcinoma with MCCC2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of ATDC5 cells using MCCC2 Antibody (Center) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### **MCCC2 Antibody (Center) - Background**

MCCC2 is the small 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.

### **MCCC2 Antibody (Center) - References**

Uematsu, M., et al., J. Hum. Genet. 52 (12), 1040-1043 (2007)