

## ARG44226 anti-MCCC1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MCCC1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MCCC1
Species	Human
Immunogen	Recombinant protein of Human MCCC1
Conjugation	Un-conjugated
Alternate Names	MCCC1; Methylcrotonyl-CoA Carboxylase Subunit 1; MCCA; Methylcrotonyl-CoA Carboxylase Subunit Alpha, Mitochondrial; 3-Methylcrotonyl-CoA Carboxylase Biotin-Containing Subunit; 3-Methylcrotonyl-CoA:Carbon Dioxide Ligase Subunit Alpha; Methylcrotonyl-Coenzyme A Carboxylase 1 (Alpha); Methylcrotonyl-CoA Carboxylase Alpha; 3-Methylcrotonyl-CoA Carboxylase 1; MCCase Subunit Alpha; EC 6.4.1.4; 3-Methylcrotonyl-CoA Carboxylase Biotin Containing Subunit; Methylcrotonyl-CoA Carboxylase 1 (Alpha); Methylcrotonyl-CoA Carboxylase 1; MCCCalpha; EC 6.4.1; MCCCα; MCC-B; MCCCCA

### Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

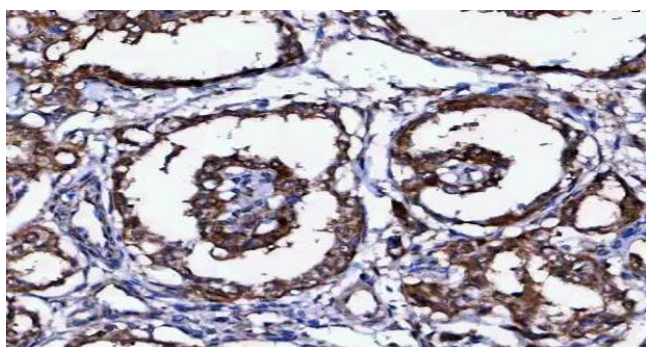
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

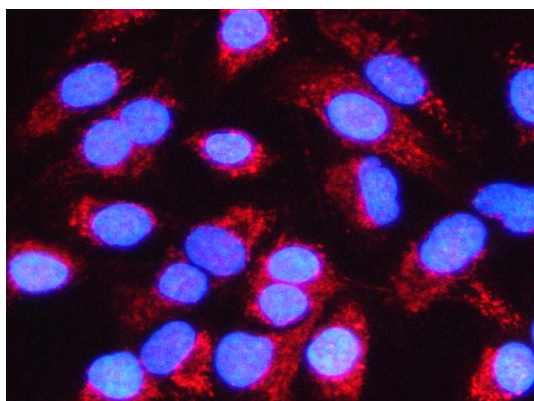
Gene Symbol	MCCC1
Gene Full Name	Methylcrotonyl-Coa Carboxylase Subunit 1
Background	This gene encodes the large subunit of 3-methylcrotonyl-CoA carboxylase. This enzyme functions as a heterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoA to form 3-methylglutaconyl-CoA. Mutations in this gene are associated with 3-Methylcrotonylglycinuria, an autosomal recessive disorder of leucine catabolism.
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.
Calculated Mw	80 kDa
PTM	Acetylation
Cellular Localization	Mitochondrion

## Images



ARG44226 anti-MCCC1 antibody IHC-P image

Immunohistochemistry: Human thyroid cancer stained with ARG44226 anti-MCCC1 antibody at 2 µg/mL dilution.

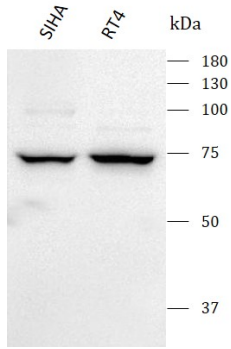


ARG44226 anti-MCCC1 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG44226 anti-MCCC1 antibody at 5 µg/mL dilution.

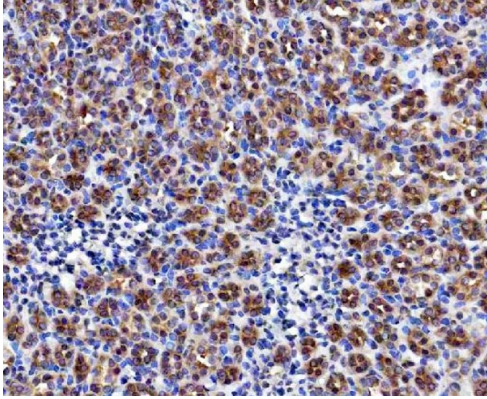
#### ARG44226 anti-MCCC1 antibody WB image

Western blot: SIHA and RT4 stained with ARG44226 anti-MCCC1 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



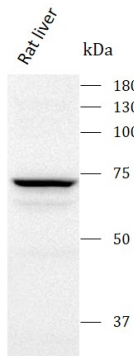
#### ARG44226 anti-MCCC1 antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG44226 anti-MCCC1 antibody at 2  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44226 anti-MCCC1 antibody WB image

Western blot: Rat liver stained with ARG44226 anti-MCCC1 antibody at 0.5  $\mu\text{g}/\text{mL}$  dilution.



#### ARG44226 anti-MCCC1 antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG44226 anti-MCCC1 antibody at 2  $\mu\text{g}/\text{mL}$  dilution.

