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; Methylcrotonoyl-CoA Carboxylase Subunit Alpha, Mitochondrial; 3-Methylcrotonyl-CoA Carboxylase Biotin-Containing Subunit; 3-Methylcrotonyl-CoA:Carbon Dioxide Ligase Subunit Alpha; Methylcrotonoyl-Coenzyme A Carboxylase 1 (Alpha); Methylcrotonoyl-CoA Carboxylase Alpha; 3-Methylcrotonyl-CoA Carboxylase 1; MCCase Subunit Alpha; EC 6.4.1.4; 3-Methylcrotonyl-CoA Carboxylase Biotin Containing Subunit; Methylcrotonoyl-CoA Carboxylase 1 (Alpha); Methylcrotonoyl-CoA Carboxylase 1; MCCCalpha; EC 6.4.1; MCCCα; MCC-B; MCCCA

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

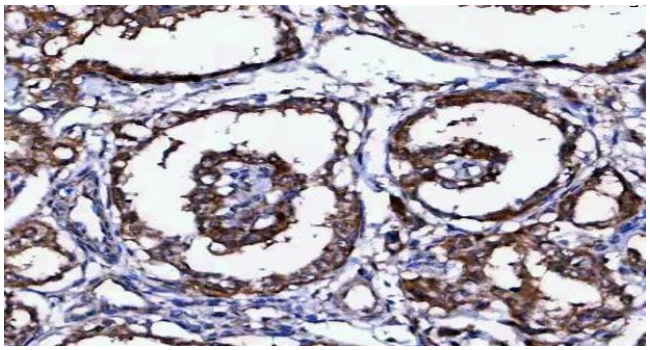
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

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

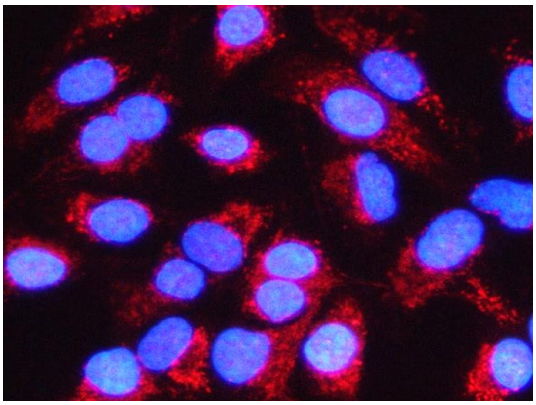
Gene Symbol	MCCC1
Gene Full Name	Methylcrotonyl-Coa Carboxylase Subunit 1
Background	This gene encodes the large subunit of 3-methylcrotonyl-CoA carboxylase. This enzyme functions as a heterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoA to form 3-methylglutaconyl-CoA. Mutations in this 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



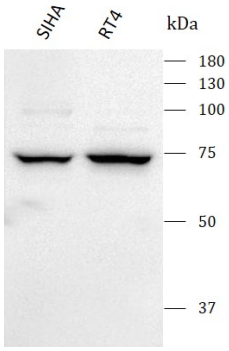
ARG44226 anti-MCCC1 antibody IHC-P image

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



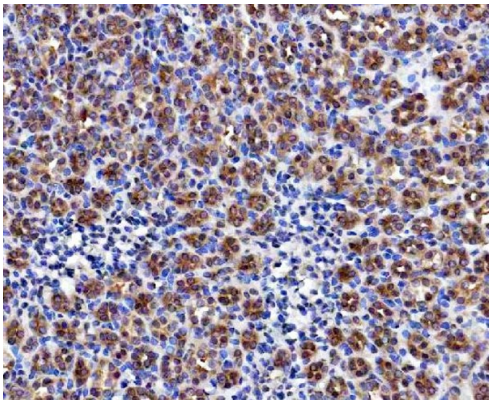
ARG44226 anti-MCCC1 antibody ICC/IF image

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



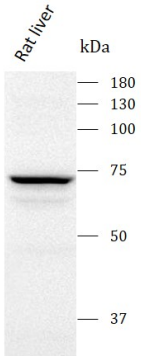
ARG44226 anti-MCCC1 antibody WB image

Western blot: SIHA and RT4 stained with ARG44226 anti-MCCC1 antibody at 0.5 µg/mL dilution.



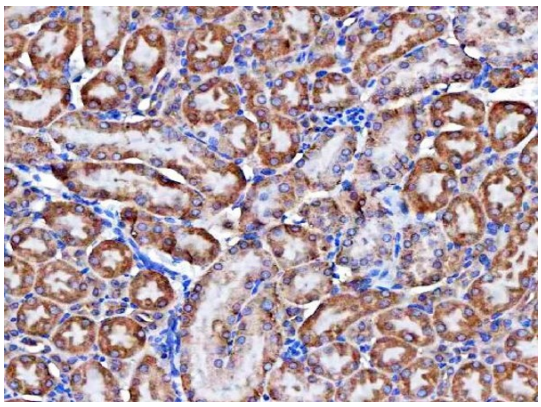
ARG44226 anti-MCCC1 antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG44226 anti-MCCC1 antibody at 2 µg/mL dilution.



ARG44226 anti-MCCC1 antibody WB image

Western blot: Rat liver stained with ARG44226 anti-MCCC1 antibody at 0.5 µg/mL dilution.



ARG44226 anti-MCCC1 antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG44226 anti-MCCC1 antibody at 2 µg/mL dilution.