ARG44227
anti-MCCC2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MCCC2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MCCC2
Species	Human
Immunogen	Recombinant protein of Human MCCC2
Conjugation	Un-conjugated
Alternate Names	MCCC2; Methylcrotonyl-CoA Carboxylase Subuni 2; MCCB; 3-Methylcrotonyl-CoA Carboxylase Non-Biotin-Containing Subunit; Methylcrotonoyl-CoA Carboxylase Beta Chain, Mitochondrial; 3-Methylcrotonyl-CoA:Carbon Dioxide Ligase Subunit Beta; Methylcrotonoyl-Coenzyme A Carboxylase 2 (Beta); 3-Methylcrotonyl-CoA Carboxylase 2; MCCase Subunit Beta; EC 6.4.1.4; Non-Biotin Containing Subunit Of 3-Methylcrotonyl-CoA Carboxylase; 3-Methylcrotonyl-CoA Carboxylase Non-Biotin Containing Subunit; Methylcrotonoyl-CoA Carboxylase 2 (Beta); Methylcrotonoyl-CoA Carboxylase Beta; Testicular Secretory Protein Li 29; Methylcrotonoyl-CoA Carboxylase 2; Biotin Carboxylase; MCCCbeta; MCCCβ; MCCCB

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6 cells
IHC-P	2-5 µg/ml
WB	0.1-0.25 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

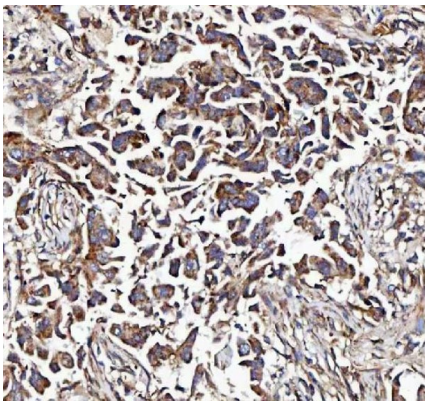
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml

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

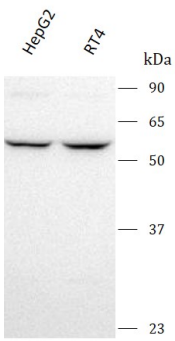
Gene Symbol	MCCC2
Gene Full Name	Methylcrotonyl-Coa Carboxylase Subunit 2
Background	This gene encodes the small subunit of 3-methylcrotonyl-CoA carboxylase. This enzyme functions as a heterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoA to form 3-methylglutaconyl-CoA. Mutations in this gene are associated with 3-Methylcrotonylglycinuria, an autosomal recessive disorder of leucine catabolism. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
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.
Calculated Mw	61 kDa
PTM	Acetylation
Cellular Localization	Mitochondrion

Images



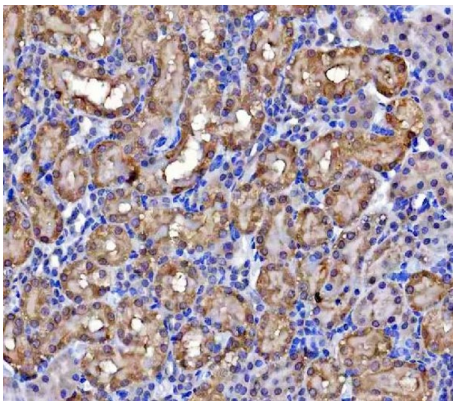
ARG44227 anti-MCCC2 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG44227 anti-MCCC2 antibody at 2 µg/ml dilution.



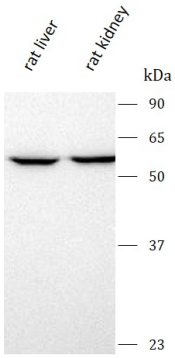
ARG44227 anti-MCCC2 antibody WB image

Western blot: HepG2 and RT4 stained with ARG44227 anti-MCCC2 antibody at 0.25 µg/mL dilution.



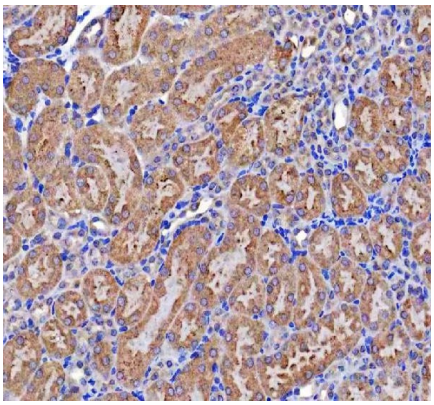
ARG44227 anti-MCCC2 antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG44227 anti-MCCC2 antibody at 2 µg/ml dilution.



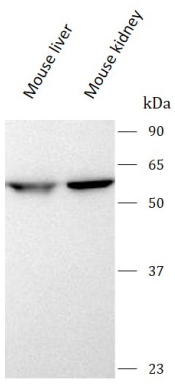
ARG44227 anti-MCCC2 antibody WB image

Western blot: Rat liver and Rat kidney stained with ARG44227 anti-MCCC2 antibody at 0.25 µg/mL dilution.



ARG44227 anti-MCCC2 antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG44227 anti-MCCC2 antibody at 2 µg/ml dilution.



ARG44227 anti-MCCC2 antibody WB image

Western blot: Mouse liver and Mouse kidney stained with ARG44227 anti-MCCC2 antibody at 0.25 µg/mL dilution.