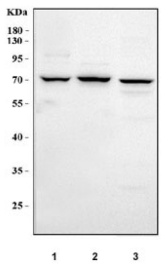
MCCC1 Antibody / 3-Methylcrotonyl-CoA carboxylase 1 (RQ8598)

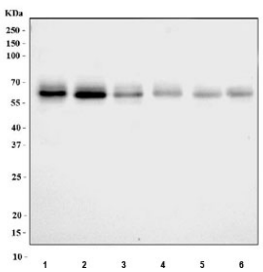
Catalog No.	Formulation	Size
RQ8598	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

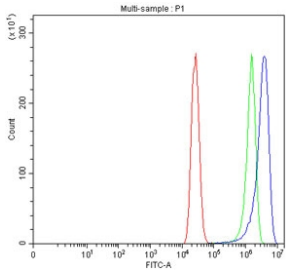
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96RQ3
Localization	Cytoplasm
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
Limitations	This MCCC1 antibody is available for research use only.



Western blot testing of 1) human SiHa, 2) human RT4 and 3) rat liver tissue lysate with MCCC1 antibody. Predicted molecular weight ~80 kDa.



Western blot testing of 1) human HepG2, 2) human Caco-2, 3) human A431, 4) human HaCaT, 5) mouse liver and 6) rat liver tissue lysate with MCCC1 antibody. Predicted molecular weight ~80 kDa.



Flow cytometry testing of fixed human MCF7 cells with MCCC1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MCCC1 antibody.

Description

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.

Application Notes

Optimal dilution of the MCCC1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Q104-E715) was used as the immunogen for the MCCC1 antibody.

Storage

After reconstitution, the MCCC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.