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Datasheet for ABIN7268494
anti-MCCC2 antibody (AA 284-563)

2 Images

Overview

Quantity:	100 µL
Target:	MCCC2
Binding Specificity:	AA 284-563
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCCC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	MCCC2 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 284-563 of human MCCC2 (NP_071415.1).
Sequence:	LHLTRKVV RN LNYQKKLDVT IEPSEEPLFP ADELGIVGVA NLKRSFDVRE VIARIVDGSR FTEFKAFYGD TLVTGFARIF GYPVGIVGNN GVLFSesakK GTHFVQLCCQ RNIPLLF LQN ITGFMVGREY EAEGIAKDGA KMVA AVACAQ VPKITLIIGG SYGAGNYGMC GRAYSPRFLY IWPNARISVM GGEQAANVLA TITKDQRARE GKQFSSADEA ALKEPIIKKF EEEGNPYYS ARVWDDGIID PADTRLVLGL SFSAALNAPI EKTDFGIFRM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: MCCC2

Alternative Name: MCCC2 ([MCCC2 Products](#))

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.,MCCC2,MCCB,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,MCCC2

Molecular Weight: 57kDa/61kDa

Gene ID: 64087

UniProt: [Q9HCC0](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100

Restrictions: For Research Use only

Handling

Format: Liquid

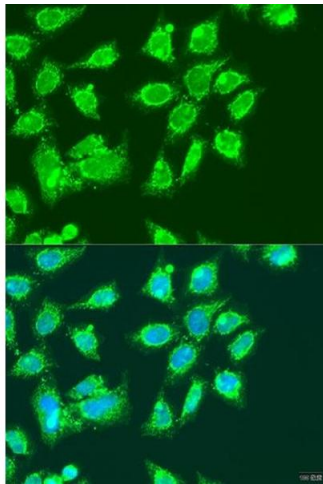
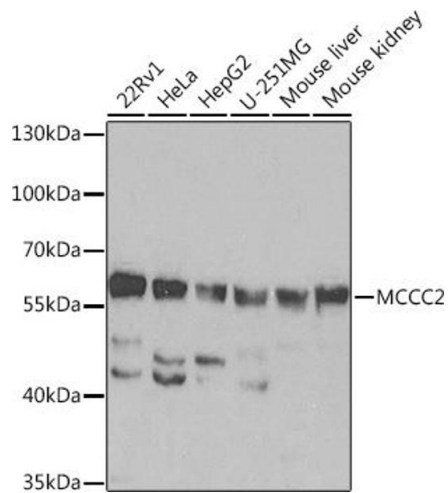
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MCCC2 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using MCCC2 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.