



MCCA mouse mAb

Catalog No	YP-mAb-11767
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MCCC1 MCCA
Immunogen	Synthesized peptide derived from human MCCA AA range: 620-670
Specificity	This antibody detects endogenous levels of MCCA at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MCC B;MCCA;MCCase subunit alpha;MCCC1;MCCC1 MCCA
Observed Band	
Calculated Molecular Weight	80kD
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	
Function	catalytic activity:ATP + 3-methylcrotonoyl-CoA + HCO ₃ ⁻ = ADP + phosphate + 3-methylglutaconyl-CoA.,cofactor:Biotin.,disease:Defects in MCCC1 are the cause of methylcrotonoyl-CoA carboxylase deficiency type 1 (MCC1 deficiency) [MIM:210200]. MCC1 deficiency is an autosomal recessive disorder of leucine catabolism. The phenotype is variable, ranging from neonatal onset with severe neurological involvement to asymptomatic adults. There is a characteristic organic aciduria with massive excretion of 3-hydroxyisovaleric acid and 3-methylcrotonylglycine, usually in combination with a severe secondary carnitine deficiency.,pathway:Amino-acid degradation; L-leucine degradation; HMG-CoA from 3-isovaleryl-CoA: step 2/3.,similarity:Contains 1 ATP-grasp domain.,similarity:Contains 1 biotin carboxylation domain.,similarity:Contains 1 biotinyl-binding domain.,subunit:Probably a dodecamer composed of



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. [provided by RefSeq, Jul 2008],

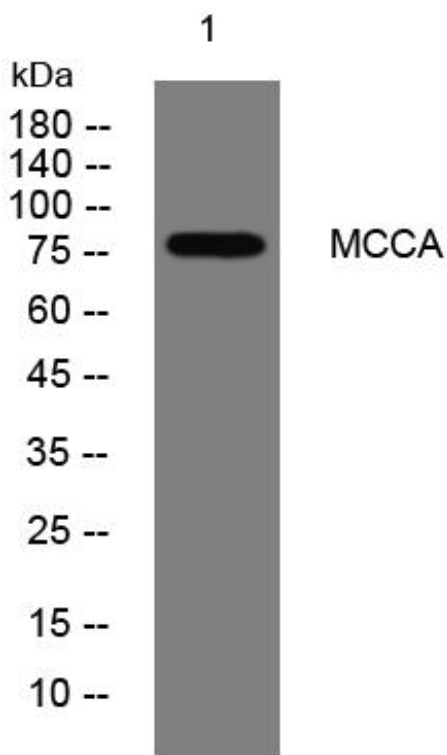
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MCCA mouse mAb