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[KD Validated] MCCC1 Rabbit mAb

Catalog No.: A25002 Recombinant

Basic Information

Observed MW
70kDa

Calculated MW
80kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC,IP

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC63817

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.

Recommended Dilutions

WB	1:1000 - 1:5000
IF/ICC	1:50 - 1:200
IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

Immunogen Information

Gene ID
56922

Swiss Prot
Q96RQ3

Immunogen
Recombinant Protein corresponding to a sequence within amino acids 640-725 of human MCCC1(NP_064551.3).

Synonyms
MCCA; MCC-B; MCCCalpha; [KD Validated] MCCC1

Contact

400-999-6126

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Product Information

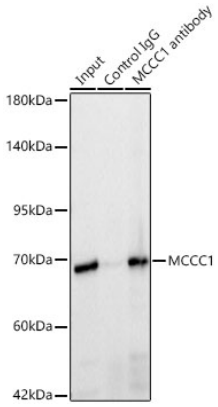
Source
Rabbit

Isotype
IgG

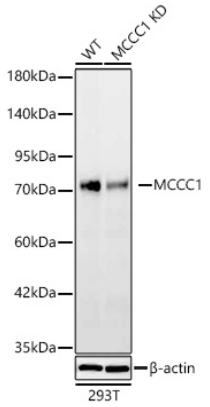
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

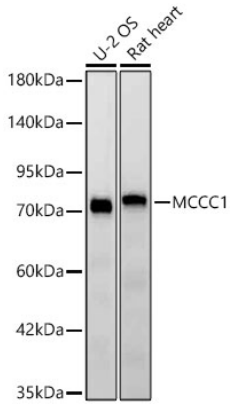
Validation Data



Immunoprecipitation of MCCC1 in 300 µg extracts from T-47D cells using 3 µg [KD Validated] MCCC1 Rabbit mAb (A25002). Western blot analysis was performed using [KD Validated] MCCC1 Rabbit mAb (A25002) at 1:2000 dilution.

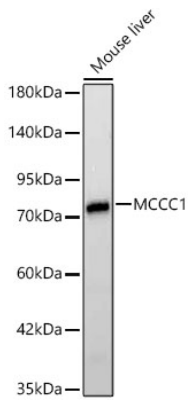


Western blot analysis of lysates from wild type (WT) and MCCC1 knockdown (KD) 293T cells using [KD Validated] MCCC1 Rabbit mAb (A25002) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.

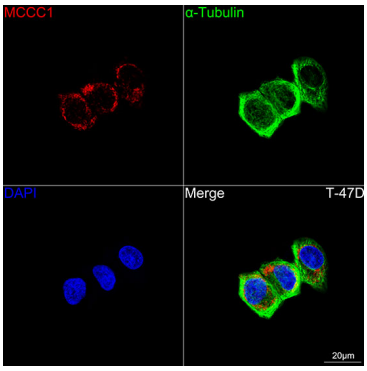


Western blot analysis of various lysates using [KD Validated] MCCC1 Rabbit mAb (A25002) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.

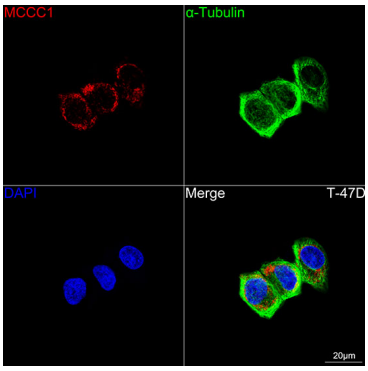
Validation Data



Western blot analysis of lysates from Mouse liver using [KD Validated] MCCC1 Rabbit mAb (A25002) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 15s.



Confocal imaging of T-47D cells using [KD Validated] MCCC1 Rabbit mAb (A25002,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green).DAPI was used for nuclear staining (Blue). Objective: 100x.



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