

For Research Use Only

MCCC1 Polyclonal antibody

Catalog Number: 14861-1-AP

2 Publications



Basic Information

Catalog Number:

14861-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6663

GenBank Accession Number:

BC004187

GeneID (NCBI):

56922

UNIPROT ID:

Q96RQ3

Full Name:

methylcrotonoyl-Coenzyme A carboxylase 1 (alpha)

Calculated MW:

76 kDa

Observed MW:

70-76 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse liver tissue, mouse heart tissue

IP : mouse liver tissue,

IHC : human liver cancer tissue,

Background Information

MCCC1 is 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Olga Gourdomichali	35205152	Biology (Basel)	WB
Yu Feng	37805164	Life Sci	WB, IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

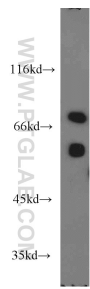
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

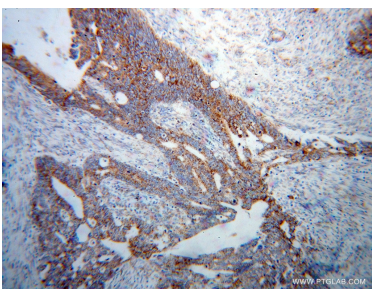
E: proteintech@ptglab.com
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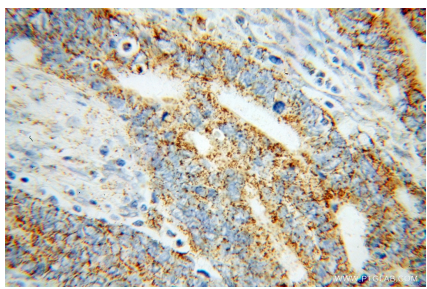
Selected Validation Data



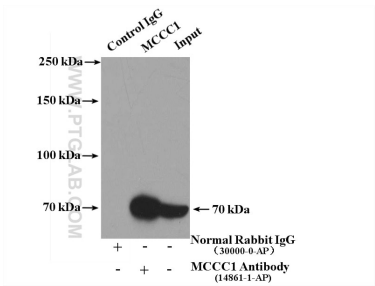
mouse liver tissue were subjected to SDS PAGE followed by western blot with 14861-1-AP (MCCC1 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 14861-1-AP (MCCC1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 14861-1-AP (MCCC1 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-MCCC1 (IP:14861-1-AP, 4ug; Detection:14861-1-AP 1:1000) with mouse liver tissue lysate 6000ug.