

For Research Use Only

# MCCC1 Polyclonal antibody

Catalog Number: 14861-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 14861-1-AP	<b>GenBank Accession Number:</b> BC004187	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 56922	<b>Recommended Dilutions:</b> WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> methylcrotonyl-Coenzyme A carboxylase 1 (alpha)	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 76 kDa	
<b>Immunogen Catalog Number:</b> AG6663	<b>Observed MW:</b> 70-76 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC, WB	<b>WB :</b> mouse liver tissue, mouse heart tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> mouse liver tissue,
<b>Cited Species:</b> human	<b>IHC :</b> human liver cancer tissue,

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

## 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

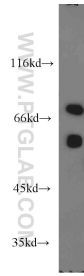
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

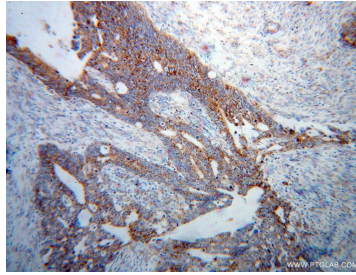
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

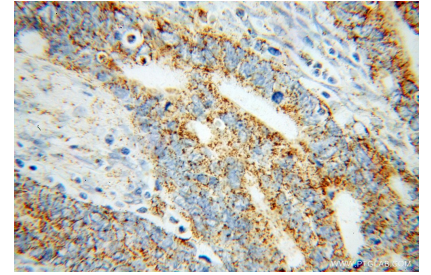
## Selected Validation Data



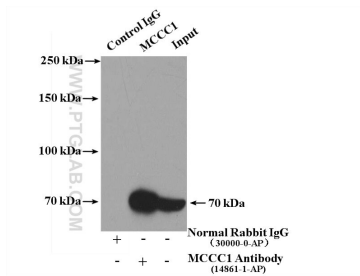
mouse liver tissue were subjected to SDS PAGE followed by western blot with 14861-1-AP (MCCC1 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



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.