

For Research Use Only

MCCC2 Polyclonal antibody

Catalog Number: 12117-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 12117-1-AP	GenBank Accession Number: BC014897	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 650 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64087	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Observed MW: 61 kDa
Isotype: IgG	Calculated MW: 563 aa, 61 kDa	
Immunogen Catalog Number: AG2767		

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: human liver tissue,
Species Specificity: human, mouse, rat	IP: mouse kidney tissue,
Cited Species: human	IHC: human pancreas 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

MCCC2 (Methylcrotonoyl-CoA carboxylase beta chain, mitochondrial) is also named as MCCB and belongs to the AccD/PCCB family. The putative 563-amino acid polypeptide has a calculated molecular mass of 61 kD and contains an N-terminal mitochondrial targeting sequence (PMID:11181649). It catalyzes carboxylation of 3 methylcrotonyl COA to form 3 methylglutaconyl-COA and is probably a dodecamer composed of six biotin-containing alpha subunits and six beta subunits. Defects in MCCC2 are the cause of methylcrotonoyl-CoA carboxylase 2 deficiency (MCC2D).

Notable Publications

Author	Pubmed ID	Journal	Application
J Dai	26311342	Andrology	WB
Yu-Yan Chen	33407468	Cancer Cell Int	WB
Pang Jun J	19894759	J Proteome Res	WB,IHC

Storage

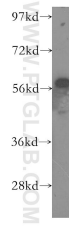
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

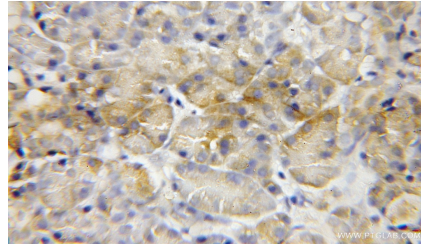
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 12117-1-AP (MCCC2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12117-1-AP (MCCC2 antibody) at dilution of 1:50 (under 10x lens).

IP Result of anti-MCCC2 (IP:12117-1-AP, 4ug; Detection:12117-1-AP 1:300) with mouse kidney tissue lysate 4000ug.

