

Allgemeine Informationen

Katalog-Nr.: 21988-1-AP	GenBank-Zugangsnummer: BC000140	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 600 µg/ml von Nanodrop;	GeneID (NCBI): 5095	Empfohlene Verdünnungen: WB 1:1000-1:6000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: propionyl Coenzyme A carboxylase, alpha polypeptide	Berechnete Masse: 80 kDa
Isotyp: IgG	Beobachtete Masse: 70 kDa	
Immunogen Katalognummer: AG17271		

Anwendungen

Geprüfte Anwendungen:

IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB : Mauslebergewebe, L02-Zellen, NIH/3T3-Zellen, Rattenlebergewebe

IP : L02-Zellen,

IHC : humanes Leberkarzinomgewebe, humanes Nierengewebe

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Hintergrundinformationen

Propionyl-CoA carboxylase (PCC) catalyzes the biotin-dependent carboxylation of propionyl-CoA to D-methylmalonyl CoA, a reaction that occurs in the mitochondrial matrix. PCC is involved in the catabolism of several essential amino acids (methionine, isoleucine, threonine and valine), as well as odd chain fatty acids and cholesterol. Deficiency of PCC results in propionic acidemia, a metabolic disorder characterized by severe metabolic ketoacidosis, vomiting, lethargy and hypotonia. PCC consists of nonidentical subunits (α and β) encoded by different genes (PCCA and PCCB, respectively). The αPCC cDNA contains an open reading frame of 2106 nucleotide bases and codes for a 702 amino acid polypeptide. The mature length subunit is 70 kDa and contains the biotin binding site.(PMID:8852656). This protein has 3 isoforms produced by alternative splicing with the molecular weight of 80 kDa, 77 kDa and 75 kDa. The full length protein has a transit peptide with 52 amino acids which will be removed in mature form. This antibody is specific to PCCA.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lei Jiang	33087718	Nat Commun	IF
Wentao He	34635437	Mol Genet Metab	WB
Adam Guenzel	25046265	Hum Gene Ther	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

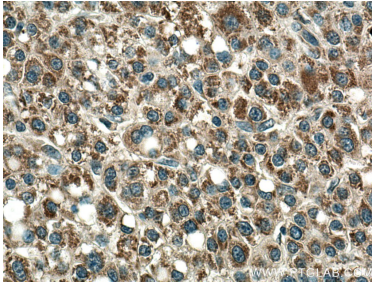
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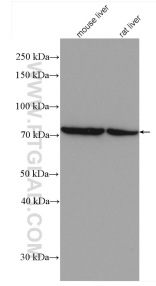
E: proteintech@ptglab.com
 W: ptglab.com

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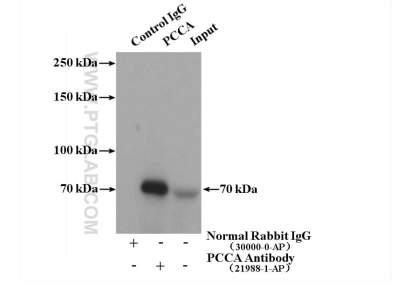
Ausgewählte Validierungsdaten



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 21988-1-AP (PCCA antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 21988-1-AP (PCCA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP Result of anti-PCCA (IP:21988-1-AP, 4ug; Detection:21988-1-AP 1:1000) with L02 cells lysate 1800ug.