

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PCCA



Numéro de catalogue: 21988-1-AP

8 Publications

Informations de base

Numéro de catalogue:

21988-1-AP

Taille:

150ul, Concentration: 600 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG17271

Numéro d'acquisition GenBank:

BC000140

Identification du gène (NCBI):

5095

Nom complet:

propionyl Coenzyme A carboxylase, alpha polypeptide

MW calculé

80 kDa

MW observés:

70 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:6000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:50-1:500

Applications

Applications testées:

IHC, IP, WB, ELISA

Demandes citées:

IF, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : tissu hépatique de souris, cellules L02, cellules NIH/3T3, tissu hépatique de rat

IP : cellules L02,

IHC : tissu de cancer du foie humain, tissu rénal humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

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 α PCC 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.

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

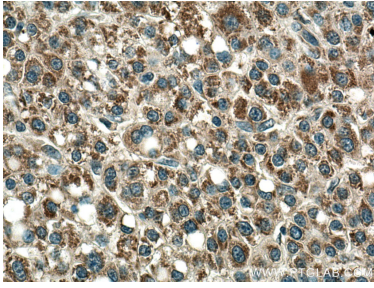
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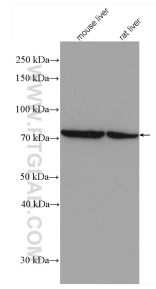
E: proteintech@ptglab.com
W: ptglab.com

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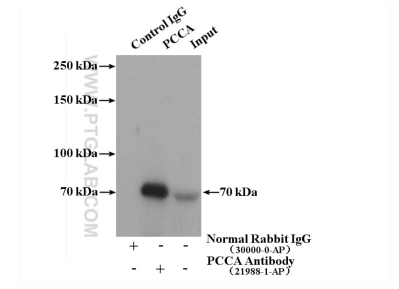
Données de validation sélectionnées



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.