

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Pyruvate Carboxylase



Numéro de catalogue: 16588-1-AP

Phare

30 Publications

Informations de base

Numéro de catalogue:

16588-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG8857

Numéro d'acquisition GenBank:

BC011617

Identification du gène (NCBI):

5091

Nom complet:

pyruvate carboxylase

MW calculé

1178 aa, 130 kDa

MW observés:

125-130 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:5000-1:50000

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

IHC 1:500-1:2000

IF 1:50-1:500

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

bovin, Humain, porc, rat, souris

Contrôles positifs:

WB : tissu hépatique de souris, cellules HepG2, tissu hépatique de rat

IP : cellules HepG2, tissu hépatique de souris

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

IF : cellules HepG2,

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

PC(pyruvate carboxylase) is a member of the family of biotin-dependent carboxylases and is found widely among eukaryotic tissues and in many prokaryotic species. It catalyses the ATP-dependent carboxylation of pyruvate to form oxaloacetate which may be utilised in the synthesis of glucose, fat, some amino acids or their derivatives and several neurotransmitters. Diabetes and hyperthyroidism increase the level of expression of pyruvate carboxylase in the long term, while its activity in the short term is controlled by the intramitochondrial concentrations of acetyl-CoA and pyruvate(PMID:9597748).

Publications notables

Autrice	Pubmed ID	Journal	Application
Teresa W-M Fan	36150727	J Immunol	
Jasmin Sponagel	36108629	Med (N Y)	WB
Letian Zhang	34481473	BMC Genomics	IHC

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.

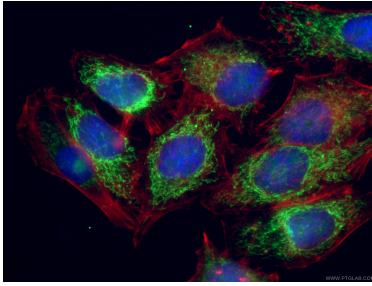
For technical support and original validation data for this product please contact:

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

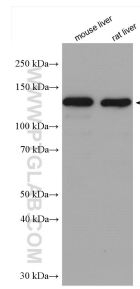
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

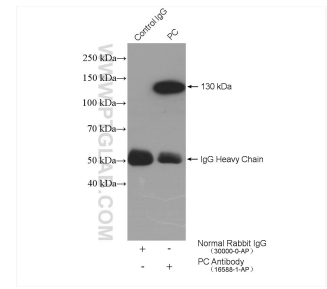
Données de validation sélectionnées



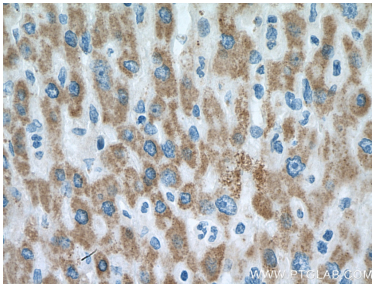
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 16588-1-AP (Pyruvate Carboxylase antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). F-actin is stained using CL555-phalloidin (red) and DNA is stained by DAPI (blue).



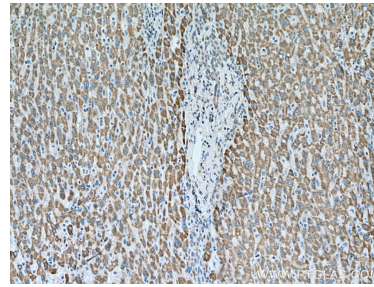
Various lysates were subjected to SDS PAGE followed by western blot with 16588-1-AP (Pyruvate Carboxylase antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



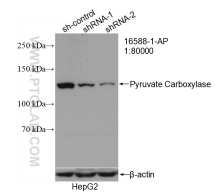
IP result of anti-Pyruvate Carboxylase (IP:16588-1-AP, 4µg; Detection:16588-1-AP 1:1000) with HepG2 cells lysate 2640 µg.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16588-1-AP (Pyruvate Carboxylase antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16588-1-AP (Pyruvate Carboxylase antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of Pyruvate Carboxylase antibody (16588-1-AP; 1:80000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Pyruvate Carboxylase transfected HepG2 cells.