À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ACC1

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:21923-1-AP Phare 103 Publications

Informations de base

Numéro de catalogue:
21923-1-AP

Taille:
150ul , Concentration: 800 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG16452

Numéro d'acquisition GenBank:
BC137287

Identification du gène (NCBI):
31

Nom complet:
acetyl-Coenzyme A carboxylase alpha

MW calculé
2383 aa, 275 kDa

MW observés:
250 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:8000
IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, RIP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
bovin, Humain, porc, rat, souris

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.

Contrôles positifs:

WB : cellules HEK-293, cellules HeLa, cellules HepG2, tissu cérébral de souris

IP : cellules HepG2,

IHC : tissu de muscle squelettique de souris,

IF : cellules HeLa,

Informations générales

ACACA(Acetyl-CoA carboxylase 1, ACC), also named as ACAC, ACC1 and ACCA, belongs to the biotin containing enzyme family. It catalyzes the synthesis of malonyl-CoA, which is an intermediate substrate playing a pivotal role in the regulation of fatty acid metabolism and energy production. ACACA is involved in the biosynthesis of fatty acids, and malonyl-CoA produced is used as a building block to extend the chain length of fatty acids by fatty acid synthase (FAS)(PMID:19900410). It has 4 isoforms produced by alternative promoter usage with the molecular weight between 260 kDa and 270 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Lihua Luo	34593005	J Nanobiotechnology	WB
Shifeng Pan	29152131	Oncotarget	WB
Zhongwen Feng	33182043	Int Immunopharmacol	WB

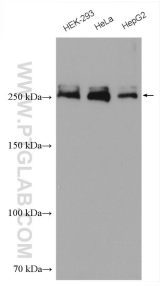
Stockage

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

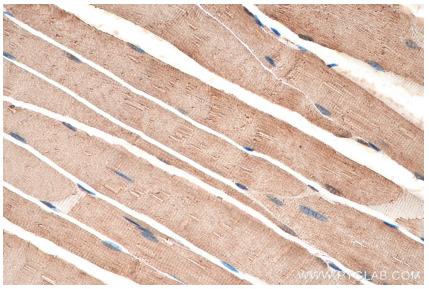
***** Les 20ul contiennent 0,1% de BSA.**

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

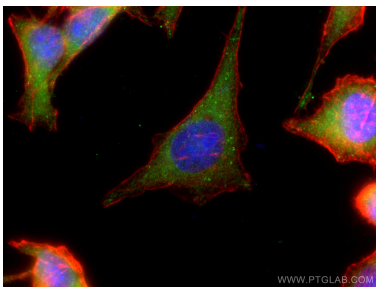
Données de validation sélectionnées



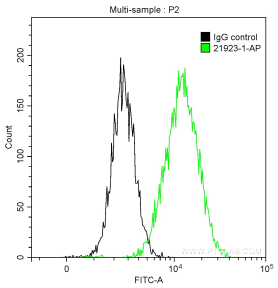
Various lysates were subjected to SDS PAGE followed by western blot with 21923-1-AP (ACC1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



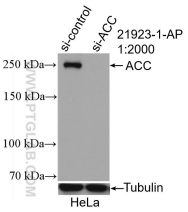
Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 21923-1-AP (ACC1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



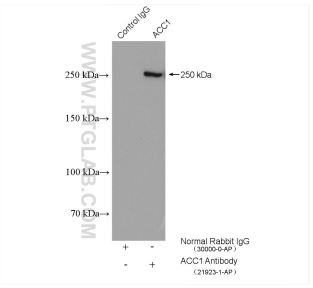
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ACC1 antibody (21923-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HeLa cells were intracellularly stained with 0.2 ug Anti-Human ACC1 (21923-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



WB result of ACC1 antibody (21923-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACC1 transfected HeLa cells.



IP result of anti-ACC1 (IP:21923-1-AP, 4ug; Detection:21923-1-AP 1:2000) with HepG2 cells lysate 1800 ug.