À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-ACC1 (Ser79)

proteintech®
Antibodies | ELISA kits | Proteins
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Numéro de catalogue:29119-1-AP 7 Publications

Informations de base

Numéro de catalogue:
29119-1-AP

Taille:
100ul , Concentration: 1100 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

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 1:500-1:2000

Applications

Applications testées:
WB, ELISA

Demandes citées:
IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Contrôles positifs:

WB : cellules SH-SY5Y traitées à la λ phosphatase, cellules NIH/3T3 traitées à la λ phosphatase

Informations générales

ACC1 represents a key enzyme, as it is highly regulated by phosphorylation and allosteric regulation, providing a rapid adaptation to new micro-environmental conditions. AMPK phosphorylates acetyl CoA carboxylase (ACC), a rate-controlling step in the conversion of acetyl-CoA to malonyl CoA. This phosphorylation inhibits the activity of ACC, which results in decreased malonyl CoA levels. Additionally, two isoforms of ACC encoded by two different genes in mammalian cells have been described, ACC1 and ACC2. ACC1 is highly enriched in lipogenic tissues (liver and adipose), while ACC2 is mainly expressed in oxidative tissues (heart, skeletal muscle and liver). (PMID: 29056512, PMID: 16054041, PMID: 30816537)

Publications notables

Autrice	Pubmed ID	Journal	Application
Yujie Zhong	36501024	Nutrients	WB
Menglong Wang	35647084	Front Cardiovasc Med	WB
Xiaoting Wang	35544345	J Nat Prod	WB

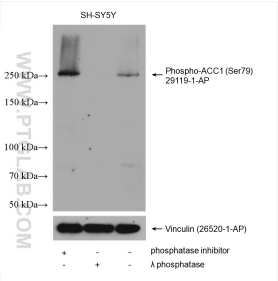
Stockage

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

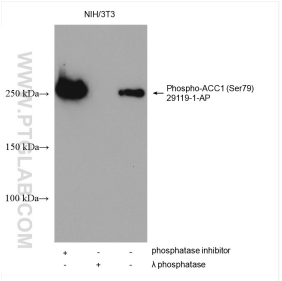
***** Les 20ul contiennent 0,1% de BSA.**

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



Non-treated SH-SY5Y, phosphatase inhibitor treated and λ phosphatase treated SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 29119-1-AP (Phospho-ACC1 (Ser79) antibody) at dilution of 1:1000 incubated at room temperature for 1 hours. The membrane was stripped and re-blotted with Vinculin antibody as loading control.



Non-treated NIH/3T3, phosphatase inhibitor treated and λ phosphatase treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 29119-1-AP (Phospho-ACC1 (Ser79) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.