

Nur für Forschungszwecke

Phospho-ACC1 (Ser79) Polyklonaler Antikörper



Katalog-Nr.: 29119-1-AP

4 Publikationen

Allgemeine Informationen

Katalog-Nr.: 29119-1-AP	GenBank-Zugangsnummer: BC137287	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul, Konzentration: 1100 µg/ml von 31 Nanodrop;	GeneID (NCBI): acetyl-Coenzyme A carboxylase alpha	Empfohlene Verdünnungen: WB 1:500-1:2000
Wirt: Kaninchen	Vollständiger Name: acetyl-Coenzyme A carboxylase alpha	
Isotyp: IgG	Berechnete Masse: 2383 aa, 275 kDa	
	Beobachtete Masse: 250 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Mit λ-Phosphatase behandelte SH-SY5Y-Zellen, Mit λ-Phosphatase behandelte NIH/3T3-Zellen
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

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

Lagerung

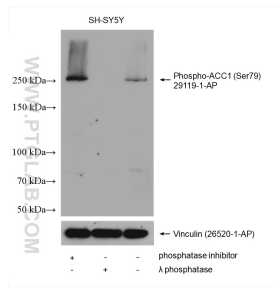
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

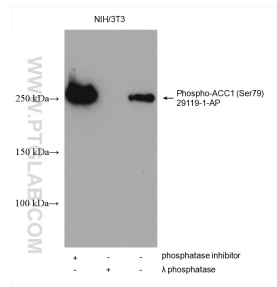
For technical support and original validation data for this product please contact:
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Ausgewählte Validierungsdaten



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.