Nur für Forschungszwecke

ACLY Polyklonaler Antikörper

Katalog-Nr.:15421-1-AP Vorgestelltes Produkt 47 Publikationen

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Allgemeine Informationen

Katalog-Nr.:
15421-1-AP

Größe:
150ul , Konzentration: 450 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG7709

GenBank-Zugangsnummer:
BC006195

GeneID (NCBI):
47

Vollständiger Name:
ATP citrate lyase

Berechneté Masse:
121 kDa

Beobachteté Masse:
120 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:4000
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
IHC 1:50-1:500
IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : L02-Zellen, A549-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, Mauslebergewebe, MCF-7-Zellen, Rattenlebergewebe

IP : K-562-Zellen,

IHC : humanes Prostatakarzinomgewebe,

IF : HepG2-Zellen,

Hintergrundinformationen

ACLY(ATP-citrate synthase) is also named as ACL. It is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA. ACLY serves as not only a target in oxygenated cells for suppression of lipid synthesis and histone acetylation, but also as a susceptible target in hypoxic cells to restore inhibition of glycolysis. In nonsmall cell lung carcinoma and hepatocellular carcinoma, ACLY is overexpressed compared with normal parenchyma suggesting that ACLY may represent a common target among highly malignant tumors(PMID:19795461). This protein has 2 isoforms produced by alternative splicing.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Sophie Trefely	31767181	Mol Metab	WB
Xiaojing Liu	30245009	Cell	WB
G Li	27641336	Oncogene	WB

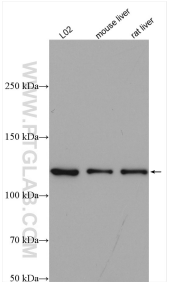
Lagerung

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

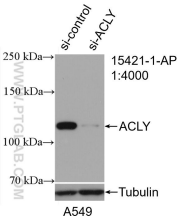
***** 20ul-Größen enthalten 0.1% BSA**

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

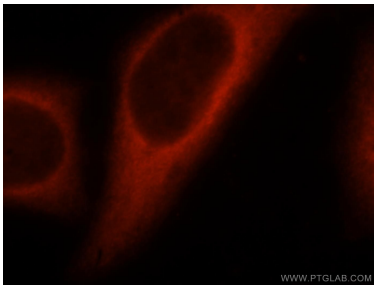
Ausgewählte Validierungsdaten



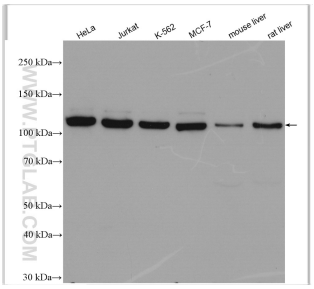
Various lysates were subjected to SDS PAGE followed by western blot with 15421-1-AP (ATP citrate lyase antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



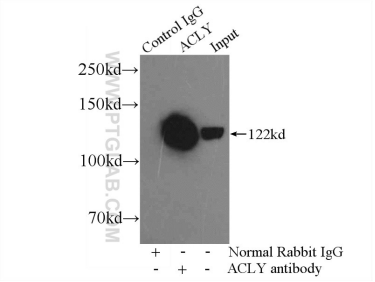
WB result of ACLY antibody (15421-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACLY transfected A549 cells.



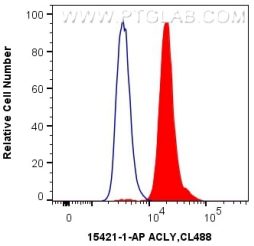
Immunofluorescent analysis of HepG2 cells, using ACLY antibody 15421-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



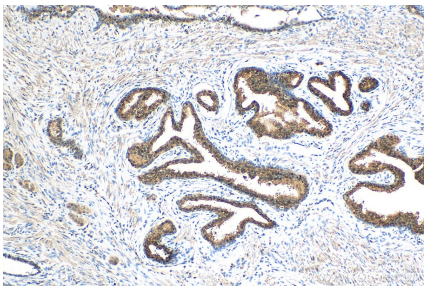
Various lysates were subjected to SDS PAGE followed by western blot with 15421-1-AP (ACLY antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



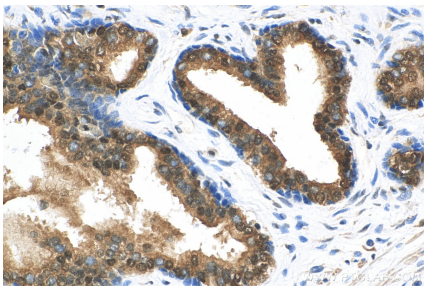
IP Result of anti-ATP citrate lyase (IP:15421-1-AP, 4ug; Detection:15421-1-AP 1:1000) with K-562 cells lysate 3200ug.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human ACLY (15421-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15421-1-AP (ACLY antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 15421-1-AP (ACLY antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).