

Nur für Forschungszwecke

ACSL1 Polyklonaler Antikörper

Katalog-Nr.:13989-1-AP

Vorgestelltes Produkt

32 Publikationen



Allgemeine Informationen

Katalog-Nr.:
13989-1-AP

Größe:
150ul, Konzentration: 650 µg/ml von
Nanodrop und 367 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG5059

GenBank-Zugangsnummer:
BC050073

GeneID (NCBI):
2180

Vollständiger Name:
acyl-CoA synthetase long-chain
family member 1

Berechnete Masse:
78 kDa

Beobachtete Masse:
68 kDa, 78 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:6000
IP 0.5-4.0 µg für IP und 1:500-1:2000
für WB
IHC 1:50-1:500
IF 1:20-1:200

Anwendungen

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

In Publikationen genannte Anwendungen:
Cell treatment, 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, Maus-Cerebellum-Gewebe,
Mauslebergewebe, Rattenlebergewebe

IP : Mauslebergewebe,

IHC : humanes Lungenkarzinomgewebe, humanes
Herzgewebe, humanes Leberkarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

ACSL1(Long-chain-fatty-acid-CoA ligase 1) is also named as FAFL1, FAFL2, LACS, LACS1, LACS2 and belongs to the ATP-dependent AMP-binding enzyme family. ACSL1 is a 75 kDa protein that is associated peripherally with the plasma membrane(Brian M Wiczer, etc., 2006). ACSL1 is abundantly expressed in tissues, such as liver and brown fat, that metabolize substantial amounts of triglycerides as fuel, and as such, a deficiency in ACSL1 function could have a more profound affect in those cells, resulting in hepatosteatosis and potentially increased very low density lipoprotein production by the liver or decreased thermogenic capacity in brown adipose tissue(PMID:19429676). An anti-rat ACSL1 antibody recognized a band of the predicted 68 kDa in high-speed supernatant from rat liver and in human and murine SMCs, monocyte-derived macrophages, and murine peritoneal macrophages (PMID:17259370). It has 2 isoforms produced by alternative splicing.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yuxiang Sun	31590050	Colloids Surf B Biointerfaces	WB
De Huang	25242319	Cell Rep	WB
Qixue Wang	30279734	Theranostics	IF

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.

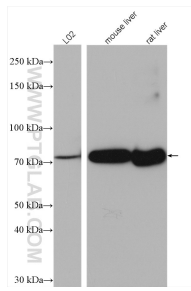
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

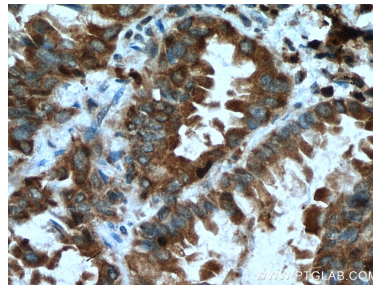
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

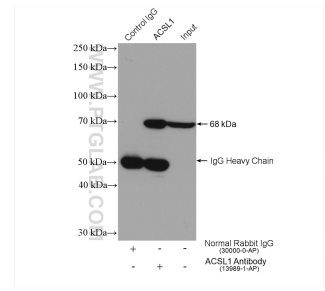
Ausgewählte Validierungsdaten



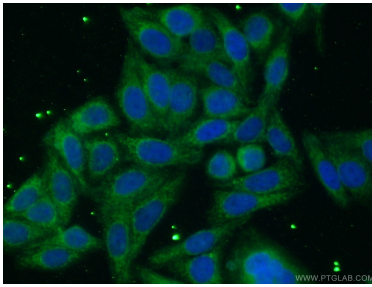
Various lysates were subjected to SDS PAGE followed by western blot with 13989-1-AP (ACSL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13989-1-AP (ACSL1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ACSL1(IP:13989-1-AP, 4ug; Detection:13989-1-AP 1:1.000) with mouse liver tissue lysate 3040 ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 13989-1-AP (ACSL1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).