For Research Use Only

## ACSL1 Polyclonal antibody Catalog Number:13989-1-AP Featured Product

Featured Product

60 Publications



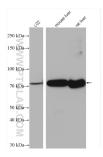
Basic Information	Catalog Number: 13989-1-AP Size: 150ul , Concentration: 1000 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG5059	GenBank Accession Number: BC050073 GeneID (NCBI): 2180 UNIPROT ID: P33121 Full Name: acyl-CoA synthetase long-chain family member 1 Calculated MW: 78 kDa Observed MW: 68 kDa, 78 kDa	Purification Method: Antigen affinity purification Recommended Dilutions: WB: 1:1000-1:6000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:200-1:800 IF/ICC: 1:400-1:1600
Applications	Tested Applications: WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IHC, IF, IP Species Specificity:	Positive Controls: WB : LO2 cells, mouse cerebellum tissue, mouse liver tissue, rat liver tissue IP : mouse liver tissue, IHC : human lung squamous cell carcinoma tissue,	
	human, mouse, rat Internation carses equation to used, human heart tissue, human liver cancer tissue   Cited Species: human heart tissue, human liver cancer tissue   human, mouse, rat, pig IF/ICC : HepG2 cells,   Note-IHC: suggested antigen retrieval with IF/ICC : HepG2 cells,   retrieval may be performed with citrate human heart tissue, human liver cancer tissue		
	butter DH 6.0		
Background Information	ATP-dependent AMP-binding enzyme plasma membrane(Brian M Wiczer, et that metabolize substantial amounts a more profound affect in those cells, lipoprotein production by the liver or anti-rat ACSL1 antibody recognized a	family. ACSL1 is a 75 kDa protein tc., 2006). ACSL1 is abundantly exp of triglycerides as fuel, and as suc resulting in hepatosteatosis and p decreased thermogenic capacity i band of the predicted 68 kDa in hi derived macrophages, and murine	CL2, LACS, LACS1, LACS2 and belongs to the that is associated peripherally with the ressed in tissues, such as liver and brown fat h, a deficiency in ACSL1 function could have otentially increased very low density n brown adipose tissue(PMID:19429676). An gh-speed supernatant from rat liver and in peritoneal macrophages (PMID:17259370). It
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

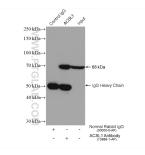
E: proteintech@ptglab.com W: ptglab.com

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## Selected Validation Data



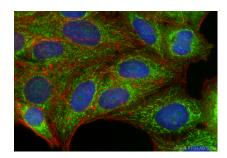
Various lysates were subjected to SDS PAGE followed by western blot with 13989-1-AP (ACSL1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-ACSL1 (IP:13989-1-AP, 4ug; Detection:13989-1-AP 1:1000) with mouse liver tissue lysate 3040 ug.



Immunohistochemical analysis of paraffinembedded human lung squamous cell carcinoma tissue slide using 13989-1-AP (ACSL1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ACSL1 antibody (13989-1-AP) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594phalloidin (red).