For Research Use Only

ACSL5 Polyclonal antibody

Catalog Number:15708-1-AP 16 Publications

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Basic Information

Catalog Number:
15708-1-AP

Size:
150ul , Concentration: 350 ug/ml by Nanodrop and 153 ug/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8258

GenBank Accession Number:
BC007985

GeneID (NCBI):
51703

UNIPROT ID:
Q9ULC5

Full Name:
acyl-CoA synthetase long-chain family member 5

Calculated MW:
76 kDa

Observed MW:
66-70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
WB, IP, ELISA

Cited Applications:
WB, IP

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Positive Controls:

WB : mouse liver tissue, rat liver tisue

IP : mouse brain tissue,

Background Information

Acyl-CoA synthetase 5, a member of the ACSL gene family that catalyzes the activation of long-chain fatty acids for lipid biosynthesis, is the only ACSL isoform that is both, located on mitochondria and functionally involved in enterocyte apoptosis.ACSL5 could play a role in promoting fatty acid-induced lipoapoptosis in hepatocytes as important mechanism in fatty liver-related disorders(PMID:20470896). ACSL5 is most abundant in liver, brown adipose tissue, and intestine and is located on both the mitochondrial membrane and endoplasmic reticulum(PMID:20798351). It has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
He Li	36281450	iScience	WB,IP
Terytty Yang Li	29765047	Nat Commun	WB
Yuan Qu	30463708	J Surg Res	WB

Storage

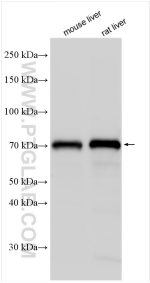
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

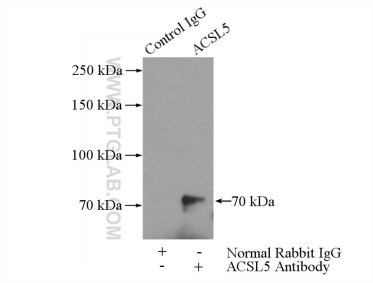
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15708-1-AP (ACSL5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-ACSL5 (IP:15708-1-AP, 4ug; Detection:15708-1-AP 1:600) with mouse brain tissue lysate 4000ug.