

For Research Use Only

ACSL5 Polyclonal ANTIBODY



Catalog Number: 15708-1-AP

6 Publications

Basic Information

Catalog Number:
15708-1-AP

Size:
23 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AC3258

GenBank Accession Number:
BC007985

GeneID (NCBI):
51703

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

Calculated MW:
76 kDa

Observed MW:
66-70 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

WB

Species Specificity:
human,mouse,rat

Cited Species:
mouse, rat

**Note: suggested antigen retrieval with TE
buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : mouse brain tissue; HeLa cells, mouse liver
tissue

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 lipopoptosis in hepatocytes as important mechanism in fatty liver-related disorders (PMD:20470896). ACSL5 is most abundant in liver, brown adipose tissue, and intestine and is located on both the mitochondrial membrane and endoplasmic reticulum (PMD:20798351). It has 3 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Terytty Yang Li	29765047	Nat Commun	WB
Min Liu	25609476	Sci Rep	WB
Lina Zhou	30596429	J Proteome 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

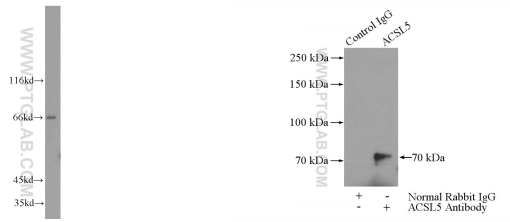
For technical support and original validation data for this product please contact:

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W: ptglab.com

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Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 15708-1-AP(ACSL5 antibody) at dilution of 1:1200 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.