

For Research Use Only

ACSL5 Polyclonal antibody

Catalog Number: 15708-1-AP **15 Publications**



Basic Information

Catalog Number: 15708-1-AP	GenBank Accession Number: BC007985	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 153 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 51703	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: acyl-CoA synthetase long-chain family member 5	
Isotype: IgG	Calculated MW: 76 kDa	
Immunogen Catalog Number: AG8258	Observed MW: 66-70 kDa	

Applications

Tested Applications: IP, WB, ELISA	Positive Controls: WB : mouse liver tissue, rat liver tissue IP : mouse brain tissue,
Cited Applications: IP, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat, mouse	

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 lipooptosis 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

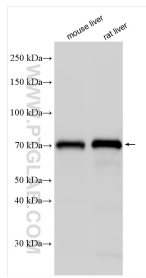
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

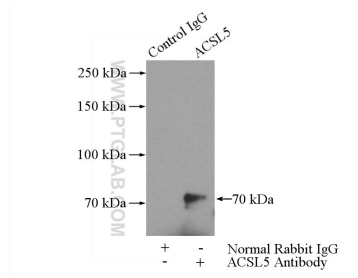
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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.