

For Research Use Only

# ACSL5 Polyclonal antibody, PBS Only

Catalog Number:15708-1-PBS



## Basic Information

Catalog Number:

15708-1-PBS

Size:

1 mg/ml

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

## Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

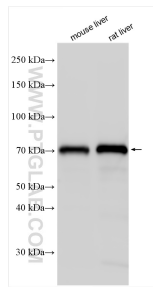
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

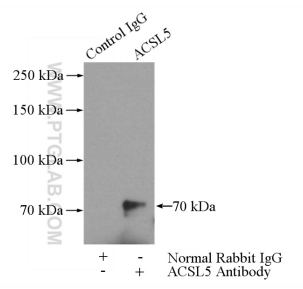
W: [ptgcn.com](http://ptgcn.com)

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

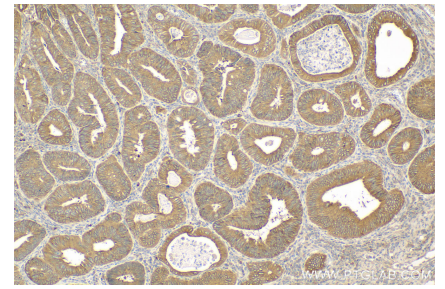
## Selected Validation Data



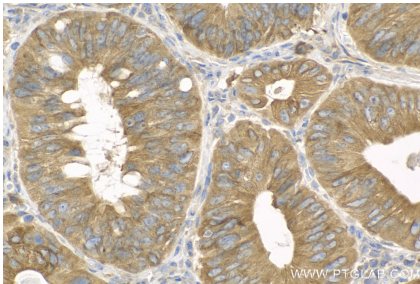
Various lysates were subjected to SDS PAGE followed by western blot with 15708-1-AP (ACSL5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 15708-1-PBS in a different storage buffer formulation.



IP result of anti-ACSL5 (IP:15708-1-AP, 4 $\mu$ g; Detection:15708-1-AP 1:600) with mouse brain tissue lysate 4000 $\mu$ g. This data was developed using the same antibody clone with 15708-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 15708-1-AP (ACSL5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15708-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 15708-1-AP (ACSL5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 15708-1-PBS in a different storage buffer formulation.