

For Research Use Only

ACSL4/FACL4 Monoclonal antibody, PBS Only

Catalog Number: 66617-1-PBS

Featured Product



Basic Information

Catalog Number:

66617-1-PBS

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18085

GenBank Accession Number:

BC034959

GeneID (NCBI):

2182

UNIPROT ID:

O60488

Full Name:

acyl-CoA synthetase long-chain
family member 4

Calculated MW:

711 aa, 79 kDa

Observed MW:

74 kDa

Purification Method:

Protein G purification

CloneNo.:

1H5D3

Applications

Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human

Background Information

Acyl-CoA synthetase long-chain family 4 (ACSL4) is a key enzyme that catalyzes long-chain fatty acids activation, and abnormal expression of ACSL4 is closely related to various biological responses, including steroidogenesis, inflammation response, cell death, immune activation response, and so on. Specifically, ACSL4 participates in ferroptosis, a promising target for tumor therapeutics.

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, pH7.3

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

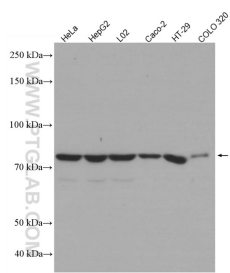
T: 4006900926

E: Proteintech-CN@ptglab.com

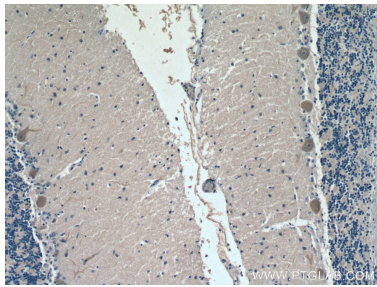
W: ptgcn.com

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

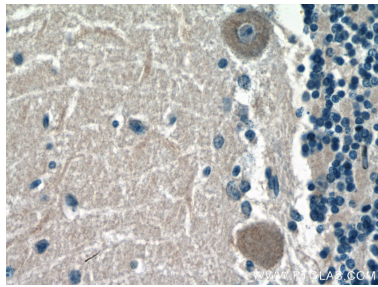
Selected Validation Data



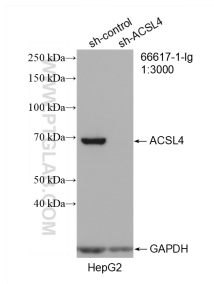
Various lysates were subjected to SDS PAGE followed by western blot with 66617-1-Ig (ACSL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66617-1-PBS in a different storage buffer formulation.



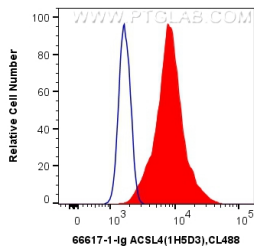
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66617-1-Ig (ACSL4 antibody) at dilution of 1:500 (under 10x lens). This data was developed using the same antibody clone with 66617-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66617-1-Ig (ACSL4 antibody) at dilution of 1:500 (under 40x lens). This data was developed using the same antibody clone with 66617-1-PBS in a different storage buffer formulation.



WB result of ACSL4 antibody (66617-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACSL4 transfected HepG2 cells. This data was developed using the same antibody clone with 66617-1-PBS in a different storage buffer formulation.



1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug Anti-Human ACSL4 (66617-1-Ig, Clone:1H5D3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer. This data was developed using the same antibody clone with 66617-1-PBS in a different storage buffer formulation.