

ACSL4/FACL4 Monoclonal antibody

Catalog Number: 66617-1-Ig

Featured Product

13 Publications

Basic Information

Catalog Number:

66617-1-Ig

Size:

1000 µg/ml

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 A purification

CloneNo.:

1H5D3

Recommended Dilutions:

WB 1:3000-1:10000

IHC 1:250-1:1000

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human, rat

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

Positive Controls:

WB : HeLa cells, HepG2 cells, Caco-2 cells, COLO 320
cells, L02 cells, HT-29 cells

IHC : human cerebellum tissue,

Background Information

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------|-----------|-------------------|-------------|
| Yongfei He | 34790741 | Ann Transl Med | WB |
| Dalong Wang | 36331006 | Phytother Res | WB |
| Tian-Xiang Wang | 36319062 | Life Sci Alliance | |

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

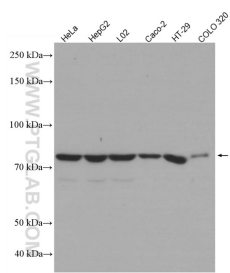
For technical support and original validation data for this product please contact:

T: 4006900926

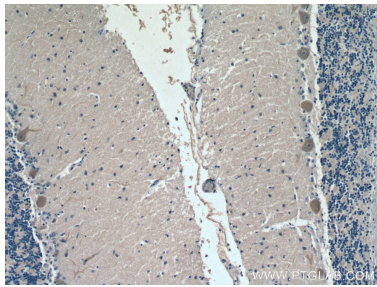
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

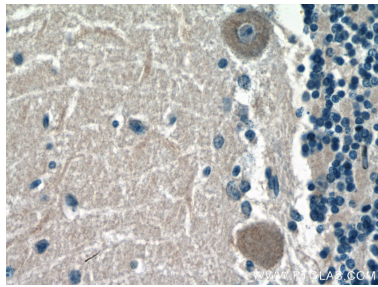
Selected Validation Data



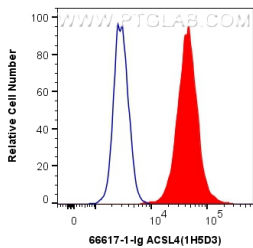
Various lysates were subjected to SDS PAGE followed by western blot with 66617-1-Ig (ACSL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



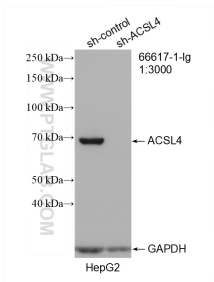
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66617-1-Ig (ACSL4 antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66617-1-Ig (ACSL4 antibody) at dilution of 1:500 (under 40x lens).



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 Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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.