

For Research Use Only

ACSL4 Monoclonal antibody

Catalog Number: 66617-1-Ig

Featured Product

12 Publications



Basic Information

| | | |
|--|---|--|
| Catalog Number: 66617-1-Ig | GenBank Accession Number: BC034959 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 2182 | CloneNo.: 1H5D3 |
| Source: Mouse | Full Name: acyl-CoA synthetase long-chain family member 4 | Recommended Dilutions: WB 1:3000-1:10000 IHC 1:250-1:1000 |
| Isotype: IgG1 | Calculated MW: 711 aa, 79 kDa | |
| Immunogen Catalog Number: AG18085 | Observed MW: 74 kDa | |

Applications

| | |
|--|---|
| Tested Applications: FC, IHC, WB, ELISA | Positive Controls: |
| Cited Applications: WB | WB : HeLa cells, HepG2 cells, Caco-2 cells, COLO 320 cells, L02 cells, HT-29 cells |
| Species Specificity: Human | IHC : human cerebellum tissue, |
| 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 | |

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

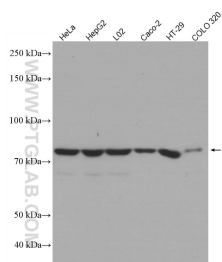
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

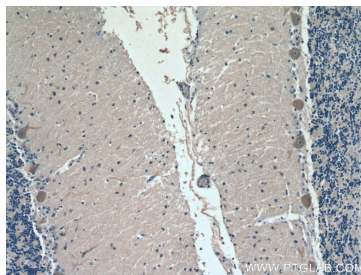
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

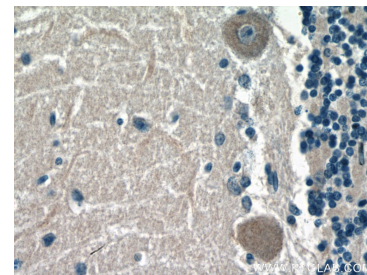
Selected Validation Data



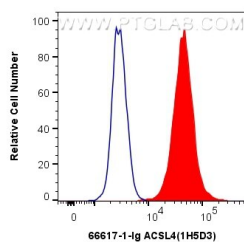
Various lysates were subjected to SDS PAGE followed by western blot with 66617-1-Ig (ACSL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



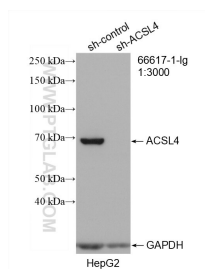
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66617-1-Ig (ACSL4 antibody) at dilution of 1:500 (under 10x lens).



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.