

For Research Use Only

# ACSL4/FACL4 Monoclonal antibody

Catalog Number: 66617-1-Ig

Featured Product

12 Publications



## Basic Information

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

## Applications

<b>Tested Applications:</b> FC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, HepG2 cells, Caco-2 cells, COLO 320 cells, L02 cells, HT-29 cells
<b>Species Specificity:</b> Human	<b>IHC :</b> human cerebellum tissue,
<b>Cited Species:</b> human, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

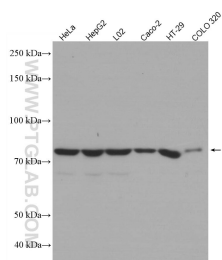
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

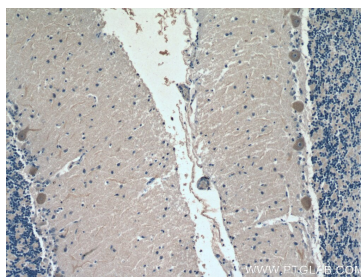
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

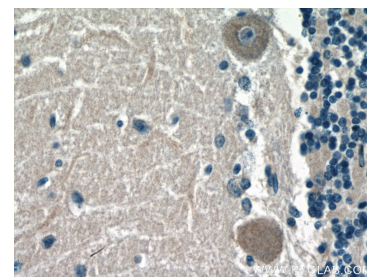
## Selected Validation Data



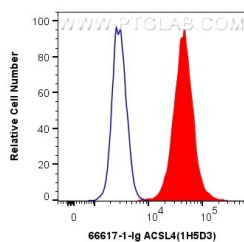
Various lysates were subjected to SDS PAGE followed by western blot with 66617-1-Ig (ACSL4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



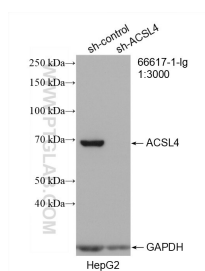
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 66617-1-Ig (ACSL4 antibody) at dilution of 1:500 (under 10x lens).



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



1X10<sup>6</sup> 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.