For Research Use Only

ACSL4/FACL4 Recombinant antibody, PBS Only

Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:81196-1-PBS Featured Product

Basic Information

Catalog Number:
81196-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

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:
70 kDa, 75 kDa

Purification Method:
Protein A purification

CloneNo.:
3I9

Applications

Tested Applications:
WB, IP, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat

Background Information

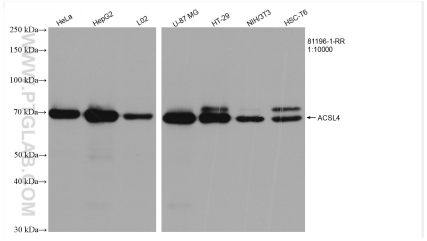
Acyl-CoA synthetase long-chain family member 4 (Acsl4), an important enzyme involved in lipid metabolism, participates in ferroptosis by converting free AA into arachidonoyl-CoA to generate lipid hydroperoxides. Recent studies revealed that ACSL4 is involved in biological responses including inflammation, steroidogenesis, cell death, female fertility, and cancer. Acsl4 has two isoforms: 79 kDa and 75 kDa. ACSL4 also can be detected in 70 kDa(PMID:35326233).

Storage

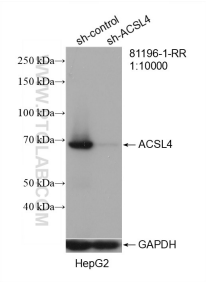
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

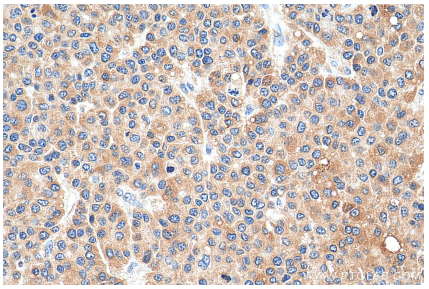
Selected Validation Data



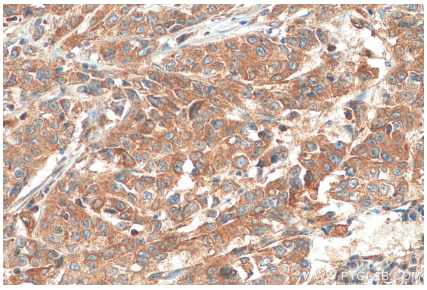
Various lysates were subjected to SDS PAGE followed by western blot with 81196-1-RR (ACSL4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



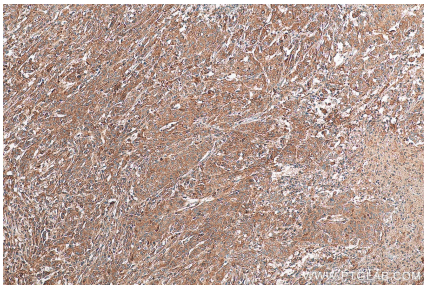
WB result of ACSL4 antibody (81196-1-RR; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACSL4 transfected HepG2 cells. This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



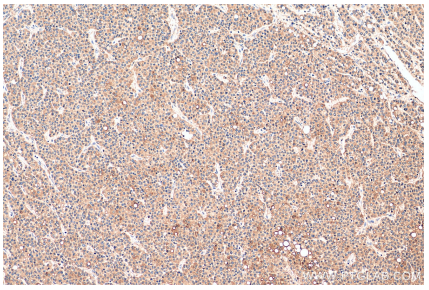
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 81196-1-RR (ACSL4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



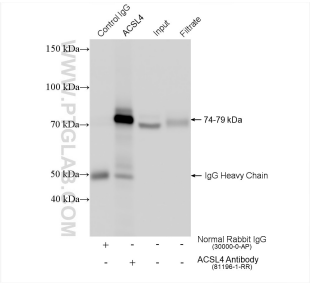
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 81196-1-RR (ACSL4 antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



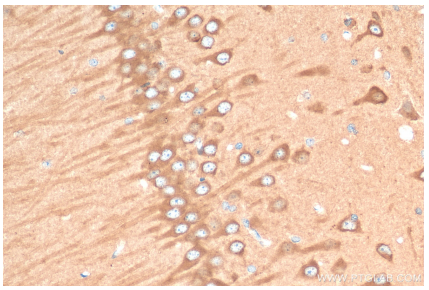
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 81196-1-RR (ACSL4 antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



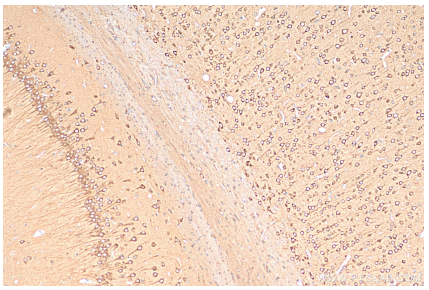
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 81196-1-RR (ACSL4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



IP result of anti-ACSL4/FACL4 (IP:81196-1-RR, 4ug; Detection:81196-1-RR 1:3000) with HeLa cells lysate 1560 ug. This data was developed using the same antibody clone with 81196-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81196-1-RR (ACSL4 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 81196-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 81196-1-RR (ACSL4 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 81196-1-PBS in a different storage buffer formulation.