For Research Use Only

ACSL4/FACL4 Recombinant antibody, proteintech

PBS Only

Catalog Number:81196-1-PBS

Featured Product

Catalog Number: GenBank Accession Number: **Purification Method: Basic Information** 81196-1-PBS BC034959 Protein A purification GeneID (NCBI): CloneNo.: Size: 1 mg/ml 2182 319 Source: UNIPROT ID: Rabbit 060488 Full Name: Isotype: lgG acyl-CoA synthetase long-chain family member 4 Immunogen Catalog Number: AG18085 Calculated MW: 711 aa, 79 kDa Observed MW: 70 kDa, 75 kDa **Applications Tested Applications:** WB, IP, Indirect ELISA, IHC **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. The product is shipped with ice packs. Upon receipt, store it immediately at -80°C Storage Buffer: PBS Only

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.

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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 paraffinembedded 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 paraffinembedded 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 paraffinembedded 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 paraffinembedded 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 paraffinembedded 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 paraffinembedded 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.