

Anti-ACSL1 Antibody

ER60807



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Rat, Mouse
Applications:	WB
Molecular Wt:	76 kDa

Description: The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. Several transcript variants encoding different isoforms have been found for this gene.

Immunogen: Synthesized peptide derived from human protein . at AA range: 210-290

Positive control: B-cell lymphoma,Liver,Testis,

Database links: SwissProt: P33121 Human

Recommended Dilutions:
WB 1:500-1:2000

Storage Buffer: Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

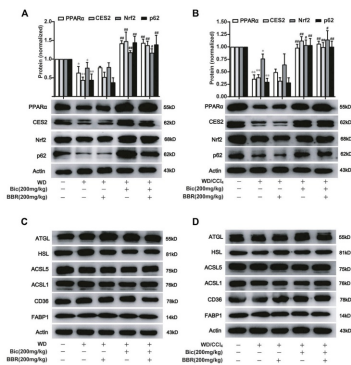


Fig1: Bicyclol with or without berberine enhances the lipolysis and β -oxidation through p62-Nrf2-CES2/PPAR α axis. Male C57BL/6J mice were freely fed with WD or WD plus bicyclol and/or berberine for 16 weeks (A,C), or induced with WD/CCl4 for 4 weeks and then treated with drugs for 8 weeks (B,D). The protein levels of PPAR α , CES2, Nrf2, p62, CD36, FABP1, ATGL, HSL, ACSL1, and ACSL5 were detected with Western blot and quantified using a Gel-Pro analyzer.(PMID: 35250593)

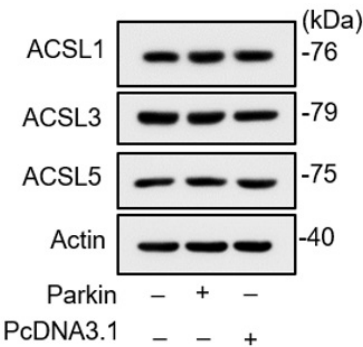


Fig2: Parkin inhibits iron overload-induced ferroptosis by acting on ACSL4 to regulate lipid metabolism. (F) The protein levels of ACSL1, ACSL3 and ACSL5 were analyzed using immunoblot in cardiomyocytes that were transfected with a Parkin overexpression plasmid or a control plasmid (PcDNA3.1) for 24 h. (PMID: 11NOPMID25030701)

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

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