

Anti-ACSL5 Antibody

ER60809



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Rat, Mouse
Applications:	WB
Molecular Wt:	75 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. This isozyme is highly expressed in uterus and spleen, and in trace amounts in normal brain, but has markedly increased levels in malignant gliomas. This gene functions in mediating fatty acid-induced glioma cell growth. Three transcript variants encoding two different isoforms have been found for this gene.

Immunogen: Synthesized peptide derived from human protein . at AA range: 460-540

Positive control: Colon,

Database links: SwissProt: Q9ULC5 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

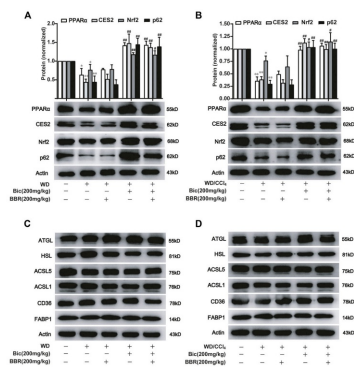


Fig1: Bicyclol with or without berberine enhances the lipolysis and β -oxidation through p62-Nrf2-CES2/PPAR α axis. Male C57BL/6J mice were freely fed with WD or WD plus bicyclol and/or berberine for 16 weeks (A,C), or induced with WD/CCl4 for 4 weeks and then treated with drugs for 8 weeks (B,D). The 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)

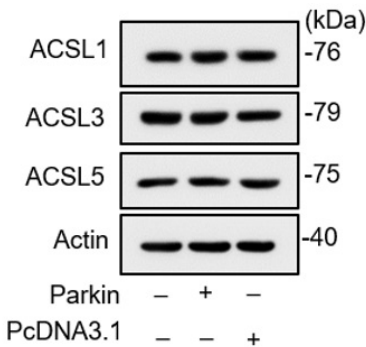


Fig2: Parkin inhibits iron overload-induced ferroptosis by acting on ACSL4 to regulate lipid metabolism. (F) The protein levels of ACSL1, ACSL3 and ACSL5 were analyzed using immunoblot in cardiomyocytes that were transfected with a Parkin overexpression plasmid or a control plasmid (PcDNA3.1) for 24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

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

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