

# Anti-ACSL3 Antibody

## ER60808



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Rat, Mouse
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	79 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 brain, and preferentially utilizes myristate, arachidonate, and eicosapentaenoate as substrates. The amino acid sequence of this isozyme is 92% identical to that of rat homolog. Two transcript variants encoding the same protein have been found for this gene.

**Immunogen:** Synthesized peptide derived from human protein . at AA range: 40-120

**Positive control:** Epithelium,Liver,Lung,Pancreas,Placenta,

**Database links:** SwissProt: O95573 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°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

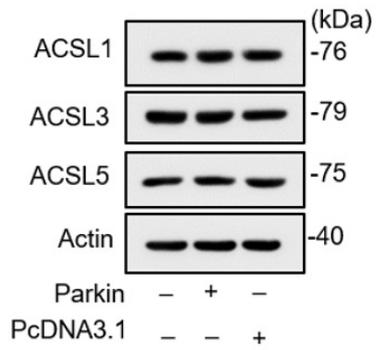
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## Images



**Fig1:** 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.

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

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