



ACSL1 Polyclonal Antibody

E91000

Catalog Number: E91000**Amount:** 100ul

Background: ACSL1(Long-chain-fatty-acid--CoA ligase 1) is also named as FACL1, FACL2, LACS, LACS1, LACS2 and belongs to the ATP-dependent AMP-binding enzyme family. ACSL1 is a 75 kDa protein that is associated peripherally with the plasma membrane(Brian M Wiczer, etc., 2006). ACSL1 is abundantly expressed in tissues, such as liver and brown fat, that metabolize substantial amounts of triglycerides as fuel, and as such, a deficiency in ACSL1 function could have a more profound affect in those cells, resulting in hepatosteatosis and potentially increased very low density lipoprotein production by the liver or decreased thermogenic capacity in brown adipose tissue(PMID:19429676). An anti-rat ACSL1 antibody recognized a band of the predicted 68 kDa in high-speed supernatant from rat liver and in human and murine SMCs, monocyte-derived macrophages, and murine peritoneal macrophages(PMID:17259370). It has 2 isoforms produced by alternative splicing. This antibody is specific to ACSL1.

Species: Rabbit**Isotype:** IgG

Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonyms: ACS1; FACL1; FACL2; LACS; LACS1; LACS2

Immunogen: Recombinant protein of human ACSL1

Purification: Affinity purification

Reactivity: H M R

Applications: WB

Molecular Weight: 78kDa

Swiss-Prot No. : P33121

Gene ID: 2180

For Research Use Only

