10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACSL3 Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS11948

Specification

ACSL3 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	O95573
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**80kDa KDa**

ACSL3 Antibody (N-Terminus) - Additional Information

Gene ID 2181

Other Names
Long-chain-fatty-acid--CoA ligase 3, 6.2.1.3, Long-chain acyl-CoA synthetase 3, LACS 3, ACSL3, ACS3, FACL3, LACS3

Target/Specificity
synthetic peptide corresponding to N-terminal residues of human FACL3(long-chain fatty-acid-Coenzyme A ligase 3)

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
ACSL3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ACSL3 Antibody (N-Terminus) - Protein Information

Name ACSL3 (HGNC:3570)

Synonyms ACS3, FACL3, LACS3

Function
Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta- oxidation (PubMed:22633490). Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins) (PubMed:18003621). Has mainly an anabolic role in energy metabolism. Mediates hepatic lipogenesis. Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates. Both isoforms exhibit the same level of activity (By similarity).

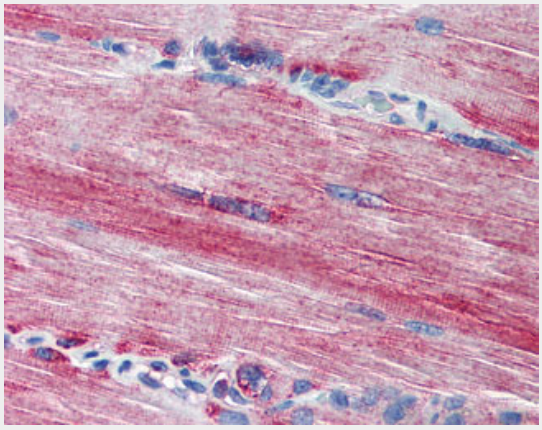
Cellular Location
Mitochondrion outer membrane; Single-pass type III membrane protein. Peroxisome membrane; Single-pass type III membrane protein. Microsome membrane; Single-pass type III membrane protein. Endoplasmic reticulum membrane; Single-pass type III membrane protein

ACSL3 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ACSL3 Antibody (N-Terminus) - Images



Anti-ACSL3 antibody IHC of human skeletal muscle.

ACSL3 Antibody (N-Terminus) - Background

Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 mediates hepatic lipogenesis (By similarity). Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates (By similarity). Has mainly an anabolic role in energy metabolism. Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins).

ACSL3 Antibody (N-Terminus) - References

Minekura H.,et al.Genomics 42:180-181(1997).
Minekura H.,et al.Gene 278:185-192(2001).
Yao H.,et al.J. Biol. Chem. 283:849-854(2008).
Daub H.,et al.Mol. Cell 31:438-448(2008).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).