

FACL4 / ACSL4 Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF2284a**Specification**

FACL4 / ACSL4 Antibody (C-Term) - Product Information

Application	WB
Primary Accession	O60488
Other Accession	NP_004449.1 , NP_075266.1 , 2182 , 50790 (mouse), 113976 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	79188

FACL4 / ACSL4 Antibody (C-Term) - Additional Information**Gene ID** 2182**Other Names**

Long-chain-fatty-acid--CoA ligase 4, 6.2.1.3, Long-chain acyl-CoA synthetase 4, LACS 4, ACSL4, ACS4, FACL4, LACS4

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FACL4 / ACSL4 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

FACL4 / ACSL4 Antibody (C-Term) - Protein Information**Name** ACSL4**Synonyms** ACS4, FACL4, LACS4**Function**

Catalyzes the conversion of long-chain fatty acids to their active form acyl-CoA for both synthesis of cellular lipids, and degradation via beta-oxidation (PubMed:21242590, PubMed:22633490, PubMed:24269233). Preferentially activates arachidonate and eicosapentaenoate as substrates (PubMed:21242590). Preferentially activates 8,9-EET > 14,15-EET > 5,6-EET > 11,12-EET. Modulates glucose- stimulated insulin secretion by regulating the levels of unesterified EETs (By similarity). Modulates prostaglandin E2 secretion (PubMed:21242590).

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. Cell membrane

FACL4 / ACSL4 Antibody (C-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FACL4 / ACSL4 Antibody (C-Term) - Images



AF2284a (0.1 µg/ml) staining of HepG2 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

FACL4 / ACSL4 Antibody (C-Term) - Background

This antibody is expected to recognise isoform 1 (NP_004449.1) and isoform 2 (NP_075266.1).

FACL4 / ACSL4 Antibody (C-Term) - References

FACL4, a new gene encoding long-chain acyl-CoA synthetase 4, is deleted in a family with Alport syndrome, elliptocytosis, and mental retardation. Piccini M, Vitelli F, Bruttini M, Pober BR, Jonsson JJ, Villanova M, Zollo M, Borsani G, Ballabio A, Renieri A. *Genomics*. 1998 Feb 1;47(3):350-8. PMID: 9480748