

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

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

Application	WB, E
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

Dilution

WB~~1:1000

E~~N/A

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