

**FACL4 Antibody**  
Rabbit mAb  
Catalog # AP92652

## Specification

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### FACL4 Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	<a href="#">O60488</a>
Reactivity	Rat
Clonality	Monoclonal

#### Other Names

ACS4; Acsl4; acyl CoA synthetase 4; FACL4; Fatty acid Coenzyme A ligase; LACS4; Long chain 4; long chain fatty acid Coenzyme A ligase 4; MRX63; MRX68;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	79188 Da

### FACL4 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from FACL4
Description	Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses arachidonate and eicosapentaenoate as substrates.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### FACL4 Antibody - 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](http://www.uniprot.org/citations/21242590), PubMed: [22633490](http://www.uniprot.org/citations/22633490), PubMed: [24269233](http://www.uniprot.org/citations/24269233)). Preferentially activates arachidonate and eicosapentaenoate as substrates (PubMed: [21242590](http://www.uniprot.org/citations/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: <http://www.uniprot.org/citations/21242590> target="\_blank">21242590</a>).

#### Cellular Location

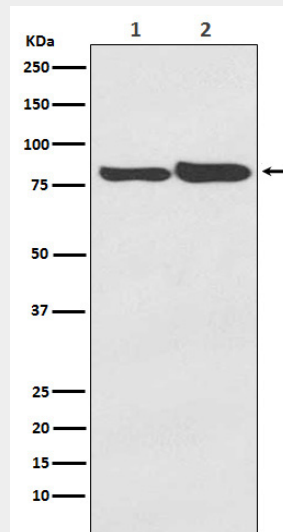
Mitochondrion outer membrane; Single-pass type III membrane protein. Peroxisome membrane; Single-pass type III membrane protein. Microsome membrane; Single-pass type III membrane protein. Endoplasmic reticulum membrane; Single-pass type III membrane protein. Cell membrane

#### FACL4 Antibody - 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 Antibody - Images



Western blot analysis of FACL4 expression in (1) HeLa cell lysate; (2) 293 cell lysate.