

FACL4 Antibody
Rabbit mAb
Catalog # AP92652**Specification**

FACL4 Antibody - Product Information

Application	WB, IHC, FC, ICC, IP
Primary Accession	O60488
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

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A IP~~N/A
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, PubMed:22633490, PubMed:22633490)

<http://www.uniprot.org/citations/24269233>). Preferentially activates arachidonate and eicosapentaenoate as substrates (PubMed: <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>).

Cellular Location

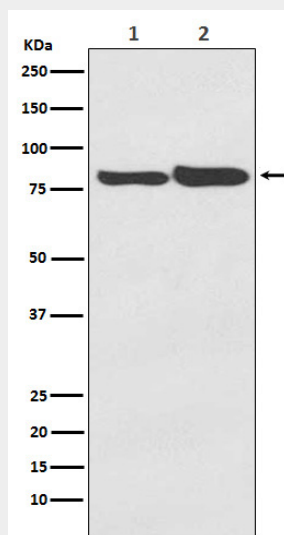
Mitochondrion outer membrane; Single-pass type III membrane protein. Peroxisome membrane; Single-pass type III membrane protein. Microsome membrane; Single-pass type III membrane protein. Endoplasmic reticulum membrane; Single-pass type III membrane protein. Cell membrane

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.