

Product Name: FACL4 (17M4) Rabbit Monoclonal Antibody
Catalog #: AMRe10779

Summary

| | |
|------------------------|---|
| Production Name | FACL4 (17M4) Rabbit Monoclonal Antibody |
| Description | Rabbit Monoclonal Antibody |
| Host | Rabbit |
| Application | WB |
| Reactivity | Human |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA. |
| Purification | Affinity purification |

Immunogen

| | |
|--------------------------|--|
| Gene Name | ACSL4 |
| Alternative 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; |
| Gene ID | 2182.0 |
| SwissProt ID | O60488.Recombinant protein of human FACL4 |

Application

| | |
|-------------------------|------------|
| Dilution Ratio | WB: 1:1000 |
| Molecular Weight | 79kDa |

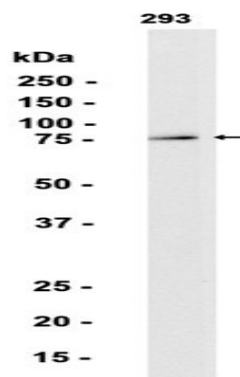
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Background

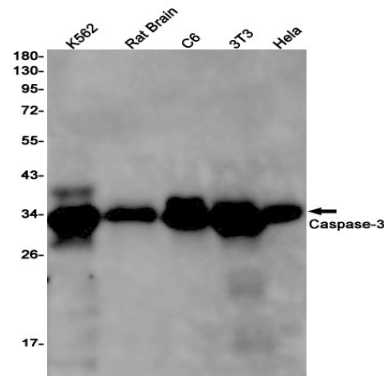
Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses arachidonate and eicosapentaenoate as substrates. Catalyzes the conversion of long-chain fatty acids to their active form acyl-CoA for both synthesis of cellular lipids, and degradation via beta-oxidation (PubMed: [24269233](http://www.uniprot.org/citations/24269233), PubMed: [22633490](http://www.uniprot.org/citations/22633490), PubMed: [21242590](http://www.uniprot.org/citations/21242590)). 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: [21242590](http://www.uniprot.org/citations/21242590)).

Research Area

Image Data



Western blot analysis of extracts from 293 cells using RM6622 at 1:1000.





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Western blot detection of Caspase-3 in K562,Rat Brain,C6,3T3,Hela cell lysates using Caspase-3 antibody(1:1000 diluted)

Note

For research use only.