

# FACL4 Rabbit mAb

Catalog # AP76853

## Product Information

---

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC-P, IP          |
| Primary Accession | <a href="#">O60488</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Calculated MW     | 79188                  |

## Additional Information

---

|             |  |
|-------------|--|
| Gene ID     | 2182   |
| Other Names | ACSL4  |
| Dilution    | WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A  |
| Format      | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.    |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

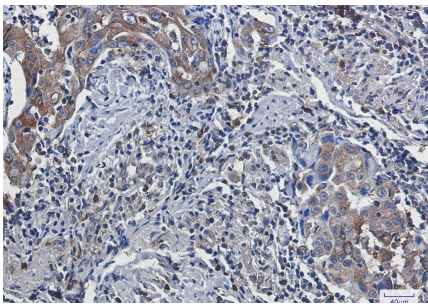
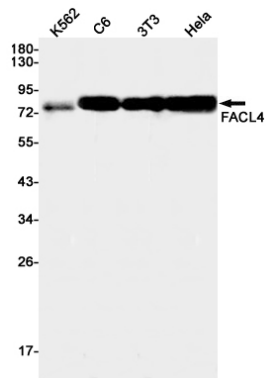
## Protein Information

---

|                   |   |
|-------------------|---|
| 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: <a href="#">21242590</a> , PubMed: <a href="#">22633490</a> , PubMed: <a href="#">24269233</a> , PubMed: <a href="#">31061331</a> , PubMed: <a href="#">38720107</a> ). Preferentially activates arachidonate and eicosapentaenoate as substrates (PubMed: <a href="#">21242590</a> ). Preferentially activates 8,9-EET > 14,15-EET > 5,6- EET > 11,12-EET (PubMed: <a href="#">21242590</a> ). Modulates glucose-stimulated insulin secretion by regulating the levels of unesterified EETs (By similarity). Modulates prostaglandin E2 secretion (PubMed: <a href="#">21242590</a> ). Acts as an activator of ferroptosis by activating polyunsaturated fatty acids, especially arachidonate and adrenate, to their active form, generating the primary lipid-peroxidation substrates that contribute to ferroptosis (PubMed: <a href="#">27842070</a> , PubMed: <a href="#">35027735</a> , PubMed: <a href="#">38720107</a> ). |
| Cellular Location | Mitochondrion outer membrane; Single-pass type III membrane protein. Endoplasmic reticulum membrane; Single-pass type III membrane protein.   |

## Images

---



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.