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# ARG57351
# anti-ACSL4 / FACL4 antibody

Package: 100 µl
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes ACSL4 / FACL4 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | ICC/IF, IHC-P, IP, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ACSL4 / FACL4 |
| Species | Human |
| Immunogen | Recombinant Protein of Human ACSL4 / FACL4. |
| Conjugation | Un-conjugated |
| Alternate Names | Long-chain-fatty-acid--CoA ligase 4; ACS4; MRX68; Long-chain acyl-CoA synthetase 4; EC 6.2.1.3; FACL4; LACS4; LACS 4; MRX63 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| ICC/IF | 1:50 - 1:200 |
| IHC-P | 1:50 - 1:200 |
| IP | 1:50 - 1:200 |
| WB | 1:500 - 1:2000 |

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|---|---|
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | HeLa |

## Properties

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| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

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|---|---|
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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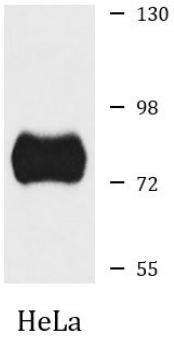
|---|---|
| Gene Symbol | ACSL4 |
| Gene Full Name | acyl-CoA synthetase long-chain family member 4 |
| Background | The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008] |
| Function | Activation of long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. Preferentially uses arachidonate and eicosapentaenoate as substrates. [UniProt] |
| Calculated Mw | 79 kDa |

## Images




ARG57351 anti-ACSL4 / FACL4 antibody WB image

Western blot: HeLa cell lysate stained with ARG57351 anti-ACSL4 / FACL4 antibody.