# ARG56484
# anti-ACADM antibody

Package: 250 µl
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes ACADM |
| Tested Reactivity | Hu, Ms, Pig, Sheep |
| Tested Application | WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | ACADM |
| Species | Human |
| Immunogen | Human recombinant MCAD. |
| Conjugation | Un-conjugated |
| Alternate Names | ACAD1; MCADH; EC 1.3.8.7; Medium-chain specific acyl-CoA dehydrogenase, mitochondrial; MCAD |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| WB | Assay-dependent |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

## Properties

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|---|---|
| Form | Liquid |
| Purification | Purification with Protein A. |
| 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. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

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|---|---|
| Gene Symbol | ACADM |
| Gene Full Name | acyl-CoA dehydrogenase, C-4 to C-12 straight chain |
| Background | This gene encodes the medium-chain specific (C4 to C12 straight chain) acyl-Coenzyme A dehydrogenase. The homotetramer enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Defects in this gene cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death. Alternatively spliced transcript variants encoding different isoforms have been found for |

| | |
|---|---|
| | this gene. [provided by RefSeq, Jul 2008] |
| Function | This enzyme is specific for acyl chain lengths of 4 to 16. [UniProt] |
| Calculated Mw | 47 kDa |
| PTM | Acetylation at Lys-307 and Lys-311 in proximity of the cofactor-binding sites reduces catalytic activity (By similarity). These sites are deacetylated by SIRT3. |