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Datasheet for ABIN881023

anti-ACADVL antibody (AA 251-350) (Alexa Fluor 350)

Overview

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|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | ACADVL |
| Binding Specificity: | AA 251-350 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ACADVL antibody is conjugated to Alexa Fluor 350 |
| Application: | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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|-----------------------|------------------------------------------------------------|
| Immunogen: | KLH conjugated synthetic peptide derived from human ACADVL |
| Isotype: | IgG |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---------------------------------------------------------------------------------------|
| Target: | ACADVL |
| Alternative Name: | ACADVL (ACADVL Products) |
| Background: | Synonyms: ACAD 6, ACAD6, ACADV_HUMAN, Acadvl, Acyl CoA dehydrogenase very long chain, |

Target Details

Acyl Coenzyme A dehydrogenase very long chain, LCACD, mitochondrial, Very long chain specific acyl CoA dehydrogenase, Very long chain specific acyl CoA dehydrogenase mitochondrial, Very long-chain specific acyl-CoA dehydrogenase, VLCAD.

Background: ACADVL (acyl-Coenzyme A dehydrogenase, very long chain) catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. It is specific to esters of long-chain and very long chain fatty acids such as palmitoyl-CoA and stearoyl-CoA. Deficiencies in ACADVL are associated with reduced myocardial fatty acid beta-oxidation and cardiomyopathy.

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| Gene ID: | 37 |
| Pathways: | ER-Nucleus Signaling , Monocarboxylic Acid Catabolic Process |

Application Details

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|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |