

ACADVL polyclonal antibody

Catalog # PAB18538 Size 100 ug

Applications



Western Blot (Tissue lysate)

ACADVL polyclonal antibody (Cat # PAB18538) (2 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification	
Product Description	Goat polyclonal antibody raised against synthetic peptide of ACADVL.
Immunogen	A synthetic peptide corresponding to amino acids near N-terminus of human ACADVL.
Sequence	DKSDSHPSDALTRK-C
Host	Goat
Theoretical MW (kDa)	68
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_000009.1; NP_001029031.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:2000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.

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Product Information

Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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• Enzyme-linked Immunoabsorbent Assay

Gene Info — ACADVL

Entrez GenelD	<u>37</u>
Protein Accession#	<u>NP_000009.1;NP_001029031.1</u>
Gene Name	ACADVL
Gene Alias	ACAD6, LCACD, VLCAD
Gene Description	acyl-Coenzyme A dehydrogenase, very long chain
Omim ID	<u>201475 609575</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene is targeted to the inner mitochondrial membrane where it cataly zes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A de hydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene pr oduct reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Altern ative splicing results in multiple transcript variants encoding different isoforms. [provided by RefS eq
Other Designations	-

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Product Information

- Fatty acid metabolism
- Metabolic pathways