

## Product datasheet for **TA334968**

### ACADVL Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACADVL antibody: synthetic peptide directed towards the N terminal of human ACADVL. Synthetic peptide located within the following region: RPYAGGAAQESKSFVGMFKGQLTTDQVFPYPSVLNNEEQTQFLKELVEPV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	acyl-CoA dehydrogenase, very long chain
Database Link:	<a href="#">NP_001029031</a> <a href="#">Entrez Gene 37 Human</a> <a href="#">P49748</a>



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**Background:** ACADVL is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in ACADVL protein reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. The protein encoded by this gene is targeted to the inner mitochondrial membrane where it catalyzes the first step of the mitochondrial fatty acid beta-oxidation pathway. This acyl-Coenzyme A dehydrogenase is specific to long-chain and very-long-chain fatty acids. A deficiency in this gene product reduces myocardial fatty acid beta-oxidation and is associated with cardiomyopathy. Alternative splicing results in multiple transcript variants encoding different isoforms.

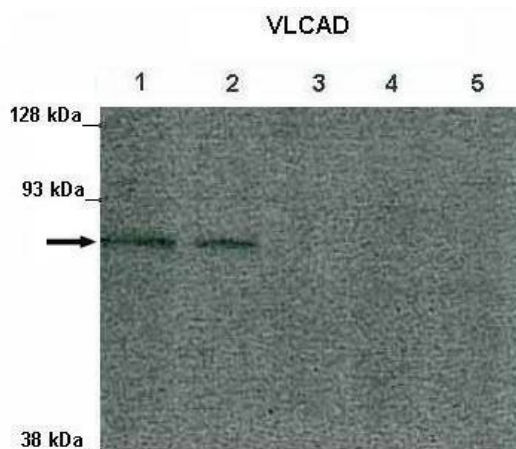
**Synonyms:** ACAD6; LCACD; VLCAD

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Mouse: 93%; Guinea pig: 93%; Rabbit: 86%; Zebrafish: 79%

**Protein Families:** Druggable Genome

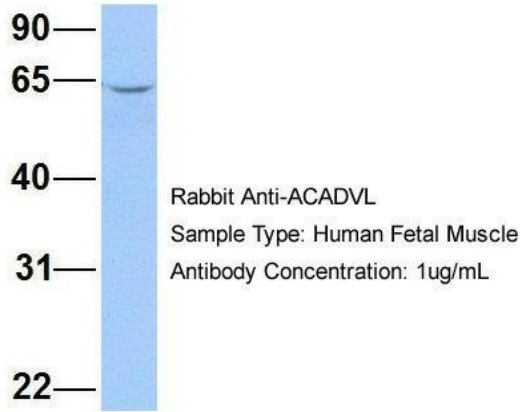
**Protein Pathways:** Fatty acid metabolism, Metabolic pathways

### Product images:



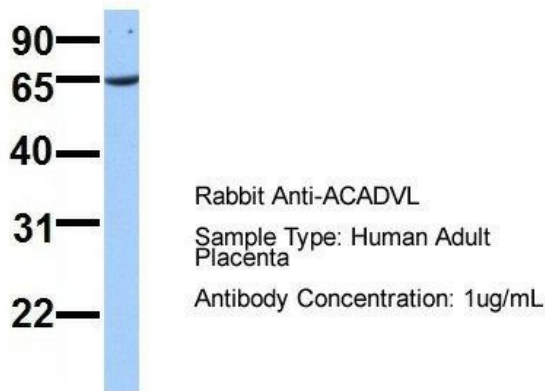
Lanes: 1: Normal controls Normal enzyme expression; 2: Normal controls Normal enzyme expression; 3: Positive mutants Defective enzyme expression; 4: Positive mutants Defective enzyme expression; 5: Positive mutants Defective enzyme expression; Primary Ant

### ACADVL



2Hum. Fetal Muscle; Host: Rabbit; Target Name: NOP56; Sample Tissue: Human Fetal Muscle; Antibody Dilution: 1.0 ug/ml

### ACADVL

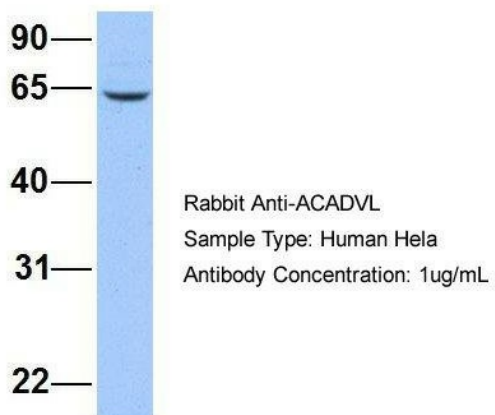


3Hum. Adult Placenta; Host: Rabbit; Target Name: SERPINA3; Sample Tissue: Human Adult Placenta; Antibody Dilution: 1.0 ug/ml

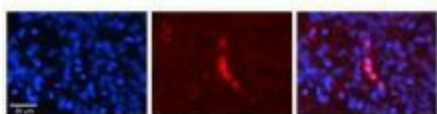


WB Suggested Anti-ACADVL Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate  
ACADVL is supported by BioGPS gene expression data to be expressed in HepG2

## ACADVL



5Human HeLa; Host: Rabbit; Target Name: EGFL8;  
Sample Tissue: HeLa; Antibody Dilution: 1.0 ug/ml;  
ACADVL is supported by BioGPS gene expression  
data to be expressed in HeLa



Rabbit Anti-ACADVL Antibody; Formalin Fixed  
Paraffin Embedded Tissue: Human Pineal Tissue;  
Observed Staining: Cytoplasmic in cell bodies of  
pinealocytes; Primary Antibody Concentration: 1:  
100; Secondary Antibody: Donkey anti-Rabbit-  
Cy3; Secondary Antibod