

Product datasheet for **TA334667**

ACADL Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACADL antibody: synthetic peptide directed towards the N terminal of human ACADL. Synthetic peptide located within the following region: MAARLLRGSLRVLGGHRAPRQLPAARCSHSGGEERLETPSAKKLTDIGIR
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:	44 kDa
Gene Name:	acyl-CoA dehydrogenase, long chain
Database Link:	NP_001599 Entrez Gene 33 Human P28330



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Background:	ACADL belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in ACADL gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia. The protein encoded by this gene belongs to the acyl-CoA dehydrogenase family, which is a family of mitochondrial flavoenzymes involved in fatty acid and branched chain amino-acid metabolism. This protein is one of the four enzymes that catalyze the initial step of mitochondrial beta-oxidation of straight-chain fatty acid. Defects in this gene are the cause of long-chain acyl-CoA dehydrogenase (LCAD) deficiency, leading to nonketotic hypoglycemia.
Synonyms:	ACAD4; LCAD
Note:	Immunogen Sequence Homology: Horse: 100%; Human: 100%; Pig: 93%; Bovine: 93%; Rat: 92%; Mouse: 92%; Dog: 86%; Rabbit: 85%
Protein Families:	Druggable Genome
Protein Pathways:	Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway

Product images:

WB Suggested Anti-ACADL Antibody Titration:
0.2-1 ug/ml; Positive Control: Transfected 293T