

ARG65165 anti-VLCAD antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes VLCAD
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognize both reported isoforms (NP_000009.1; NP_001029031.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	VLCAD
Species	Human
Immunogen	DKSDSHPSDALTRK-C
Conjugation	Un-conjugated
Alternate Names	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial; EC 1.3.8.9; LCACD; ACAD6; VLCAD

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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 or below. 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

Database links

[GeneID: 37 Human](#)

[Swiss-port # P49748 Human](#)

Background

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. [provided by RefSeq, Jul 2008]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

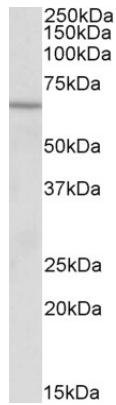
Calculated Mw

70 kDa

PTM

S-nitrosylation at Cys-237 in liver improves catalytic efficiency.

Images



ARG65165 anti-VLCAD antibody WB image

Western Blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG65165 anti-VLCAD antibody at 2 µg/ml dilution.