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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54486_P050-Biotin
Product Page	www.avivasysbio.com/acadvl-antibody-n-terminal-region-biotin-arp54486-p050-biotin.html
Name	ACADVL Antibody - N-terminal region : Biotin (ARP54486_P050-Biotin)
Protein Size (# AA)	633 amino acids
Molecular Weight	64kDa
Conjugation	Biotin
NCBI Gene Id	37
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Acyl-CoA dehydrogenase, very long chain
Alias Symbols	ACAD6, LCACD, VLCAD
Peptide Sequence	Synthetic peptide located within the following region: RPYAGGAAQESKSFVAVGMEFKGQLTTDQVFPYPYPSVLNNEEQTFKELVEPV
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Soon,P.S., (2008) Ann. Surg. 247 (1), 157-164
Description of Target	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.
Protein Interactions	EEF2K; GPHN; RPSA; ATF2; CDH1; INTS9; ATP5L; UBC; SOCS3; ICT1; ACADVL;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ACADVL (ARP54486_P050-Biotin) antibody
Blocking Peptide	For anti-ACADVL (ARP54486_P050-Biotin) antibody is Catalog# AAP54486 (Previous Catalog# AAPP31266)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACADVL
Uniprot ID	P49748
Protein Name	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial
Publications	Yoon, S.-W., Kang, S., Ryu, S.-E. & Poo, H. Identification of tyrosine-nitrated proteins in HT22 hippocampal cells during glutamate-induced oxidative stress. Cell Prolif. 43, 584-93 (2010). WB, Human, Dog, Pig, Horse, Rat, Bovine, Mouse, Guinea pig, Rabbit, Zebrafish 21039997
Sample Type Confirmation	ACADVL is supported by BioGPS gene expression data to be expressed in HeLa, HepG2
Protein Accession #	NP_001029031
Purification	Affinity Purified

Nucleotide Accession #	NM_001033859
Gene Symbol	ACADVL
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 86%; Rat: 100%; Zebrafish: 79%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

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Optimal conditions of its use should be determined by end users.

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