



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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|                            |  |
|----------------------------|--|
| Product Number             | ARP54486_P050-HRP  |
| Product Page               | <a href="http://www.avivasysbio.com/acadvl-antibody-n-terminal-region-hrp-arp54486-p050-hrp.html">www.avivasysbio.com/acadvl-antibody-n-terminal-region-hrp-arp54486-p050-hrp.html</a>   |
| Name                       | ACADVL Antibody - N-terminal region : HRP (ARP54486_P050-HRP)  |
| Protein Size (# AA)        | 633 amino acids  |
| Molecular Weight           | 64kDa  |
| Conjugation                | HRP: Horseradish Peroxidase  |
| 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:<br><a href="#">RPYAGGAAQESKSFVAVGMEFKGQLTTDQVFPYPYSLNNEEQTQFLKELVEPV</a>  |
| Product Format             | Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.  |
| 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 <a href="#">anti-ACADVL (ARP54486_P050-HRP) antibody</a>   |
| Blocking Peptide           | For anti-ACADVL (ARP54486_P050-HRP) antibody is <a href="#">Catalog # AAP54486</a> (Previous Catalog # AAPP31266)  |
| Immunogen                  | The immunogen is a synthetic peptide directed towards the N terminal region of human ACADVL  |
| Uniprot ID                 | <a href="#">P49748</a>   |
| 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). <b>WB, Human, Dog, Pig, Horse, Rat, Bovine, Mouse, Guinea pig, Rabbit, Zebrafish</b> <a href="#">21039997</a>  |
| Sample Type Confirmation   | ACADVL is supported by BioGPS gene expression data to be expressed in HeLa, HepG2  |
| Protein Accession #        | <a href="#">NP_001029031</a>   |
| Purification               | Affinity Purified  |

|   |  |
|---|--|
| <b>Nucleotide Accession #</b>                         | <a href="#">NM_001033859</a>   |
| <b>Gene Symbol</b>                                    | <a href="#">ACADVL</a>   |
| <b>Predicted Species Reactivity</b>                   | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish   |
| <b>Application</b>                                    | IHC, WB  |
| <b>Predicted Homology Based on Immunogen Sequence</b> | Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 86%; Rat: 100%; Zebrafish: 79% |
| <b>Image 1</b>  |   |

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