



# SZABO SCANDIC

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## 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	ARP54586_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/acadsb-antibody-middle-region-hrp-arp54586-p050-hrp.html">www.avivasysbio.com/acadsb-antibody-middle-region-hrp-arp54586-p050-hrp.html</a>
Name	ACADSB Antibody - middle region : HRP (ARP54586_P050-HRP)
Protein Size (# AA)	432 amino acids
Molecular Weight	44kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	36
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Acyl-CoA dehydrogenase, short/branched chain
Alias Symbols	ACAD7, SBCAD, 2-MEBCAD
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">GLRASSTCPLTFENVKVP EANILGQIGHGYKYAIGSLNEGRIGIAAQM LG</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Kamide,K., (2007) J. Hypertens. 25 (1), 103-110
Description of Target	Short/branched chain acyl-CoA dehydrogenase(ACADSB) is a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. Substrate specificity is the primary characteristic used to define members of this gene family. ACADSB has the greatest activity towards the short branched chain acyl-CoA derivative, (S)-2-methylbutyryl-CoA, but also reacts significantly with other 2-methyl branched chain substrates and with short straight chain acyl-CoAs. Short/branched chain acyl-CoA dehydrogenase(ACADSB) is a member of the acyl-CoA dehydrogenase family of enzymes that catalyze the dehydrogenation of acyl-CoA derivatives in the metabolism of fatty acids or branch chained amino acids. Substrate specificity is the primary characteristic used to define members of this gene family. The ACADSB gene product has the greatest activity towards the short branched chain acyl-CoA derivative, (S)-2-methylbutyryl-CoA, but also reacts significantly with other 2-methyl branched chain substrates and with short straight chain acyl-CoAs. The cDNA encodes for a mitochondrial precursor protein which is cleaved upon mitochondrial import and predicted to yield a mature peptide of approximately 43.7-kDa. Sequence Note: The 3' UTR extension represented by the RefSeq transcript record was derived from genomic sequence data to optimize consistency to the reference genome assembly. The extent of the UTR extension and the location of the polyA site was based on transcript alignments.
Protein Interactions	SUMO2; UBD; UBC; USP19;
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-ACADSB (ARP54586_P050-HRP) antibody</a>
Blocking Peptide	For anti-ACADSB (ARP54586_P050-HRP) antibody is <a href="#">Catalog # AAP54586</a> (Previous Catalog # AAP31370)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACADSB
Uniprot ID	<a href="#">P45954</a>
Protein Name	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
Protein Accession #	<a href="#">NP_001600</a>
Purification	Affinity Purified

<b>Nucleotide Accession #</b>	<a href="#">NM_001609</a>
<b>Gene Symbol</b>	<a href="#">ACADSB</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 86%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Yeast: 86%; Zebrafish: 79%
<b>Image 1</b>	

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

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