

## Datasheet for ABIN7265420 anti-ACADSB antibody (AA 133-432)



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### Overview

Quantity:	100 µL
Target:	ACADSB
Binding Specificity:	AA 133-432
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACADSB antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

### Product Details

Purpose:	ACADSB Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 133-432 of human ACADSB (NP_001600.1).
Sequence:	ASVAVFCEIQ NTLINTLIRK HGTEEQKATY LPQLTTEKVG SFCLSEAGAG SDSFALKTRA DKEGDYYVLN GSKMWISSAE HAGLFLVMAN VDPTIGYKGI TSFLVDRDTP GLHIGKPENK LGLRASSTCP LTFENVKVPE ANILGQIGHG YKYAIGSLNE GRIGIAAQML GLAQGCFDYT IPYIKERIQF GKRLFDQQL QHQAHVATQ LEAARLLTYN AARLLEAGKP FIKEASMAKY YASEIAGQTT SKCIEWMGGV GYTKDYPVEK YFRDAKIGTI YEGASNIQLN TIAKHIDA EY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

Purification: Affinity purification

## Target Details

Target: ACADSB

Alternative Name: ACADSB ([ACADSB Products](#))

Background: 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.,ACADSB,2-MEBCAD,ACAD7,SBCAD,Cancer,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Amino acid metabolism,Lipid Metabolism,Cardiovascular,Lipids,Fatty Acids,ACADSB

Molecular Weight: 36kDa/47kDa

Gene ID: 36

UniProt: [P45954](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

Application Notes: IHC,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

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Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.