

Rabbit ACADSB Polyclonal Antibody | anti-ACADSB antibody

ACADSB antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200379	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish	Western Blot

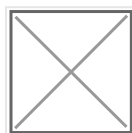
PRODUCT SYNONYMS

ACADSB; Polyclonal Antibody; ACADSB antibody - middle region; anti-ACADSB antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Yeast, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide with the following region: GL RASSTCPLTF ENVKVPEANI LGQIGHGYKY AIGSLNEGRI GIAAQLMG
Sequence Length	432
Applicable Applications for anti-ACADSB antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 86%; Guinea Pig: 93%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Yeast: 86%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACADSB
Protein Size (# AA)	432 amino acids
Protein Interactions	SUMO2; UBD; UBC; USP19;
Blocking Peptide	For anti-ACADSB antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-ACADSB Antibody Titration: 0.2-1 ug/ml Positive Control: Human Liver

ADDITIONAL INFORMATION

Related Product Information for anti-ACADSB antibody	This is a rabbit polyclonal antibody against ACADSB. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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.
Product Categories/Family for anti-ACADSB antibody	Polyclonal; Drugs and Drug Metabolism; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501859
NCBI GeneID	36
NCBI Accession #	NP_001600
NCBI GenBank Nucleotide #	NM_001609
UniProt Accession #	P45954
Molecular Weight	44kDa
NCBI Official Full Name	short/branched chain specific acyl-CoA dehydrogenase, mitochondrial isoform 1
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase short/branched chain
NCBI Official Symbol	ACADSB
NCBI Official Synonym Symbols	ACAD7; SBCAD; 2-MEBCAD
NCBI Protein Information	short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Protein Name	Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADSB
UniProt Synonym Gene Names	SBCAD; 2-MEBCAD; 2-methylbutyryl-CoA dehydrogenase
UniProt Entry Name	ACDSB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.