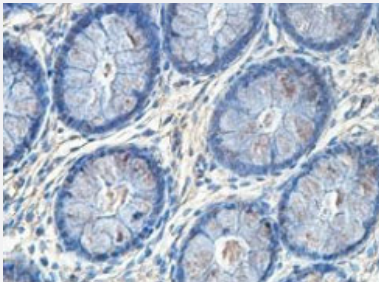


ACADSB polyclonal antibody

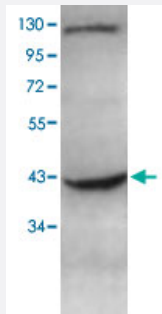
Catalog # PAB18523 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of human fetal liver lysate with ACADSB polyclonal antibody (Cat # PAB18523) at 1 : 500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human fetal colon showing cytoplasmic staining with ACADSB polyclonal antibody (Cat # PAB18523) at a 1 : 100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant ACADSB.
Immunogen	Recombinant protein corresponding to amino acids 180-402 of human ACADSB.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to ACADSB.
Form	Liquid
Purification	Protein A purification

Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:100-1:500) ELISA (1:20000-1:80000) The optimal working dilution should be determined by the end user.
Storage Buffer	In buffer containing 0.02% sodium azide
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of human fetal liver lysate with ACADSB polyclonal antibody (Cat # PAB18523) at 1 : 500 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ACADSB

Entrez GeneID	36
GeneBank Accession#	BC013756
Gene Name	ACADSB
Gene Alias	2-MEBCAD, ACAD7, SBCAD
Gene Description	acyl-Coenzyme A dehydrogenase, short/branched chain
Omim ID	600301 610006
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

2-methyl branched chain acyl-CoA dehydrogenase|2-methylbutyryl-CoA dehydrogenase|OTTHUMP00000020685|OTTHUMP00000046795

Publication Reference

- [Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.](#)

Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Carninci P, Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA,

PNAS 2002 Dec; 99(26):16899.

Pathway

- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)