

ACADSB Rabbit pAb

CatalogNo: **YN6410**

Key Features

Host Species

- Rabbit

Reactivity

- Human,Mouse,Rat

Applications

- WB

MW

- 48kD (Calculated)

Isotype

- IgG

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from human ACADSB

Specificity

This antibody detects endogenous levels of ACADSB at Human, Mouse,Rat

Target Information

Gene name

ACADSB

Protein Name Short/branched chain specific acyl-CoA dehydrogenase, mitochondrial (SBCAD) (2-methyl branched chain acyl-CoA dehydrogenase) (2-MEBCAD) (2-methylbutyryl-coenzyme A dehydrogenase) (2-methylbutyryl-CoA dehydrogenase)

Organism	Gene ID	UniProt ID
Human	36 ;	P45954 ;
Mouse	66885 ;	Q9DBL1 ;
Rat	25618 ;	P70584 ;

Cellular Localization Mitochondrion matrix .

Tissue specificity Ubiquitously expressed.

Function Short and branched chain specific acyl-CoA dehydrogenase that catalyzes the removal of one hydrogen from C-2 and C-3 of the fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl-CoA . Among the different mitochondrial acyl-CoA dehydrogenases, acts specifically on short and branched chain acyl-CoA derivatives such as (S)-2-methylbutyryl-CoA as well as short straight chain acyl-CoAs such as butyryl-CoA . Plays an important role in the metabolism of L-isoleucine by catalyzing the dehydrogenation of 2-methylbutyryl-CoA, one of the steps of the L-isoleucine catabolic pathway . Can also act on valproyl-CoA, a metabolite of valproic acid, an antiepileptic drug .

Validation Data

Contact information

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ACADSB Rabbit pAb

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