

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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