

## 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. AA range:49-149

**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	<a href="#">36;</a>	<a href="#">P45954;</a>
Mouse	<a href="#">66885;</a>	<a href="#">Q9DBL1;</a>
Rat	<a href="#">25618;</a>	<a href="#">P70584;</a>

**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

Orders: [order.cn@immunoway.com](mailto:order.cn@immunoway.com)  
Support: [support.cn@immunoway.com](mailto:support.cn@immunoway.com)  
Telephone: 400-8787-807(China)  
Website: <http://www.immunoway.com.cn>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**ACADSB Rabbit pAb**

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