

# ACADS Polyclonal Antibody

<b>CATALOG #:</b>	3539-100
<b>AMOUNT:</b>	100 µg
<b>LOT #:</b>	_____
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 380 of rat ACADS
<b>INTERNAL ID#:</b>	BV-K77
<b>HOST:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	human, mouse, rat

## FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-ACADS polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

## STORAGE CONDITIONS:

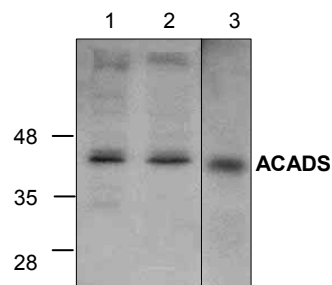
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

## DESCRIPTION:

ACADS (acyl-Coenzyme A dehydrogenase), is a homotetrameric mitochondrial flavoprotein that belongs to the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutation of this gene causes SCAD deficiency an acute acidosis and muscle weakness in infants and lipid-storage myopathy in adults.

## APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3539BP-50) is available separately.



**Cat. #: 3539-100 ACADS Antibody.**  
Western blot analysis of ACADS using Jurkat cell lysate (Lane 1&2) and rat kidney tissue lysate (Lane 3).

**FOR RESEARCH USE ONLY! Not to be used in humans.**

## RELATED PRODUCTS:

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- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
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- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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### Monoclonal and Polyclonal Antibodies