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Anti-ACADS / SCAD Rabbit Monoclonal Antibody
Catalog # ABO16391

Specification

Anti-ACADS / SCAD Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IP**
Primary Accession	P16219
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-ACADS / SCAD Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-ACADS / SCAD Rabbit Monoclonal Antibody - Additional Information

Gene ID 35

Other Names
Short-chain specific acyl-CoA dehydrogenase, mitochondrial, SCAD, 1.3.8.1, Butyryl-CoA dehydrogenase, ACADS

Calculated MW
44 kDa KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
IP 1:50

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human ACADS / SCAD

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-ACADS / SCAD Rabbit Monoclonal Antibody - Protein Information

Name ACADS

Function
Short-chain specific acyl-CoA dehydrogenase is one of the acyl-CoA dehydrogenases that catalyze the first step of mitochondrial fatty acid beta-oxidation, an aerobic process breaking down fatty acids into acetyl-CoA and allowing the production of energy from fats (By similarity). The first step of fatty acid beta-oxidation consists in the removal of one hydrogen from C-2 and C-3 of the straight-chain fatty acyl-CoA thioester, resulting in the formation of trans-2-enoyl- CoA (By similarity). Among the different mitochondrial acyl-CoA dehydrogenases, short-chain specific acyl-CoA dehydrogenase acts specifically on acyl-CoAs with saturated 4 to 6 carbons long primary chains (PubMed:11134486, PubMed:21237683).

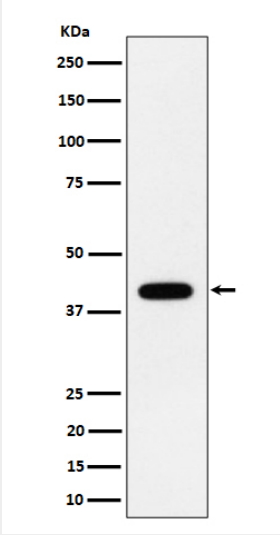
Cellular Location
Mitochondrion matrix {ECO:0000250|UniProtKB:Q3ZBF6}

Anti-ACADS / SCAD Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-ACADS / SCAD Rabbit Monoclonal Antibody - Images



Western blot analysis of ACADS / SCAD expression in HeLa cell lysate.

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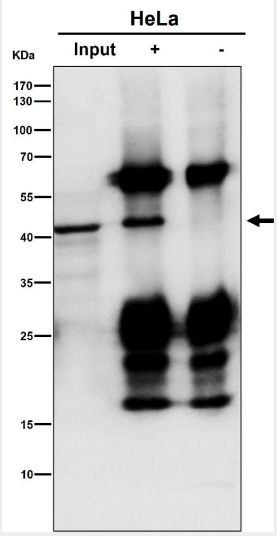

Immunoprecipitate (IP) analysis using the Antibody at 1:50 dilution. (wb at 1:1K dilution)