

**ACADS / SCAD Antibody**  
**Rabbit mAb**  
**Catalog # AP92931****Specification**

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**ACADS / SCAD Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">P16219</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
ACAD3; ACADS; Bcd1; SCAD;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44297 Da

**ACADS / SCAD Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500 IP~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human ACADS / SCAD
Description	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).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**ACADS / SCAD 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:<a href="http://www.uniprot.org/citations/11134486" target="\_blank">11134486</a>, PubMed:<a href="http://www.uniprot.org/citations/21237683" target="\_blank">21237683</a>).

#### Cellular Location

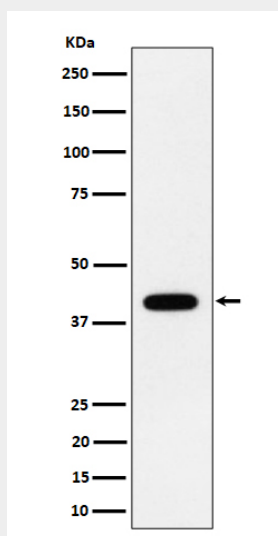
Mitochondrion matrix {ECO:0000250|UniProtKB:Q3ZBF6}

### ACADS / SCAD 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 Cytometry](#)
- [Cell Culture](#)

### ACADS / SCAD Antibody - Images



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