

ACADS / SCAD Antibody

Rabbit mAb

Catalog # AP92931

Specification**ACADS / SCAD Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	P16219
Reactivity	Rat
Clonality	Monoclonal
Other Names	
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:11134486, PubMed:21237683).

Cellular Location

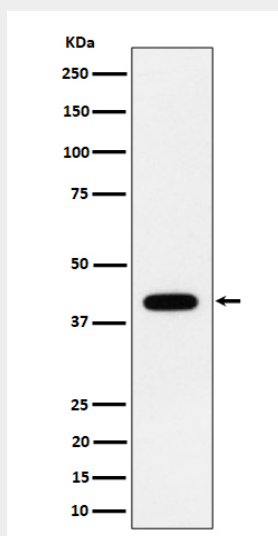
Mitochondrion matrix {ECO:0000250|UniProtKB:Q3ZBF6}

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.