10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SCAD / ACADS Antibody
Rabbit Polyclonal Antibody
Catalog # ALS13143

Specification

SCAD / ACADS Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P16219
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**44kDa KDa**

SCAD / ACADS Antibody - Additional Information

Gene ID 35

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

Target/Specificity
Human ACADS. Predicted cross-reactivity based on amino acid sequence homology: mouse (84%), rat (84%), bovine (84%), pig (83%).

Reconstitution & Storage
Aliquot and store at -20°C. Minimize freezing and thawing.

Precautions
SCAD / ACADS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SCAD / ACADS 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:21237683, PubMed:11134486).

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

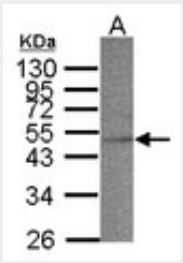
Volume
50 µl

SCAD / ACADS Antibody - Protocols

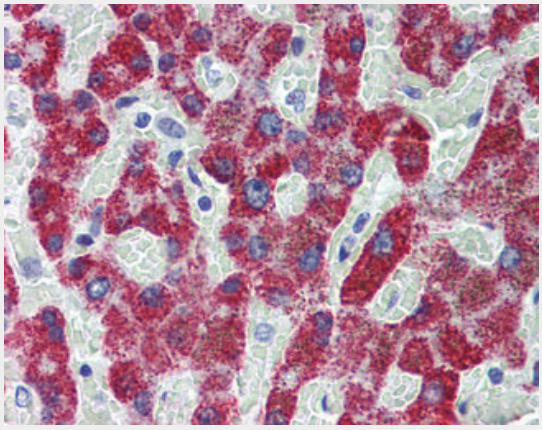
Provided below are standard protocols that you may find useful for product applications.

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

SCAD / ACADS Antibody - Images



Sample(30 g of whole cell lysate). A: MOLT4. 12% SDS PAGE. ACADS antibody diluted at 1:500.



Anti-ACADS antibody IHC of human liver.

SCAD / ACADS Antibody - References

Naito E.,et al.J. Clin. Invest. 83:1605-1613(1989).
Corydon M.J.,et al.Mamm. Genome 8:922-926(1997).
Yamagata K.,et al.Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.
Hochstrasser D.F.,et al.Electrophoresis 13:992-1001(1992).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999