

Mouse anti-Human ACADS Monoclonal Antibody | anti-ACADS antibody

ACADS antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48271	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

ACADS; Monoclonal Antibody; ACADS antibody; Acyl-Coenzyme A dehydrogenase; ACAD3; SCAD; Acyl-Coenzyme A dehydrogenase Acyl Coenzyme A dehydrogenase; C2 to C3 short chain; Acyl-CoA dehydrogenase; short chain; A196007; Bcd-1; Bcd1; Butyryl CoA dehydrogenase; EC 1.3.99.2; Short chain acyl CoA dehydrogenase; unsaturated acyl CoA reductase; Short-chain specific acyl-CoA dehydrogenase; mitochondrial.; anti-ACADS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT8B10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	412
Applicable Applications for anti-ACADS antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ACADS (25-412aa) purified from E. coli
Clone Note	Anti-human ACADS mAb, clone AT8B10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ACADS protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ACADS in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACADS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of ACADS in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACADS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACADS antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1 : HepG2 cell lysate Lane 2 : LnCap cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ACADS antibody	ACADS (Acyl-Coenzyme A dehydrogenase), also known as SCAD or ACAD3, is a tetrameric mitochondrial flavoprotein, which is a member of the acyl-CoA dehydrogenase family. This enzyme catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. Mutations of ACADS have been associated with fatty acid oxidation defects and metabolic diseases such as short-chain acyl-CoA dehydrogenase deficiency (SCAD deficiency).
Product Categories/Family for anti-ACADS antibody	Signal Transduction; Metabolism
References	McAndrew RP., et al. (2008) J Biol Chem. 283 (14): 9435-43. ; Tafti M., et al. (2003) Nat Genet. 34 (3): 320-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19684166
NCBI GeneID	35
Molecular Weight	44,297 Da
NCBI Official Full Name	Acyl-Coenzyme A dehydrogenase, C-2 to C-3 short chain
NCBI Official Synonym Full Names	acyl-CoA dehydrogenase short chain
NCBI Official Symbol	ACADS
NCBI Official Synonym Symbols	SCAD; ACAD3
NCBI Protein Information	short-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Protein Name	Short-chain specific acyl-CoA dehydrogenase, mitochondrial
UniProt Gene Name	ACADS
UniProt Synonym Gene Names	SCAD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/acads-antibody-clone-at8b10-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48271>