

Mouse anti-Human ACSF2 Monoclonal Antibody | anti-ACSF2 antibody

ACSF2 antibody

CATALOG # AAA48275	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

ACSF2; Monoclonal Antibody; ACSF2 antibody; Acyl-CoA synthetase family member 2 isoform 2; ACSMW; AVYV493; anti-ACSF2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT18B4
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	615
Applicable Applications for anti-ACSF2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ACSF2 (42-615aa) purified from E. coli
Clone Note	Anti-human ACSF2 mAb, clone AT18B4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ACSF2 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 ACSF2 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACSF2 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green)



WB (Western Blot)

The HepG2 cell lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACSF2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-ACSF2 antibody	ACSF2 also known as Acyl-CoA synthetase family member 2. Acyl-CoA synthetases are a family of enzymes that catalyze the thioesterification of fatty acids with coenzymeA to form activated intermediates, which play a fundamental role in lipid metabolism and homeostasis of lipid-related processes. ACSF2 are required for complex lipid synthesis, energy production via beta-oxidation, protein acylation and fatty-acid dependent transcriptional regulation. ACSF2 are also necessary for fatty acid import into cells by the process of vectorial acylation.
Product Categories/Family for anti-ACSF2 antibody	Signal Transduction; Metabolism
References	Black PN., et al. (2007) Biochim Biophys Acta. 1771 (9): 1246-53.; Watkins P.A., et al. (2007) J Lipid Res. 48 (12): 2736-50.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156151445
NCBI GeneID	80221
NCBI Accession #	NP_079425
NCBI GenBank Nucleotide #	NM_025149.5
UniProt Accession #	Q96CM8; Q9H7G2; B4DFQ6; B4DHT5; B4DUF5
Molecular Weight	50,880 Da
NCBI Official Full Name	acyl-CoA synthetase family member 2, mitochondrial isoform 2
NCBI Official Synonym Full Names	acyl-CoA synthetase family member 2
NCBI Official Symbol	ACSF2
NCBI Official Synonym Symbols	ACSMW; AVYV493
NCBI Protein Information	acyl-CoA synthetase family member 2, mitochondrial
UniProt Protein Name	Acyl-CoA synthetase family member 2, mitochondrial
UniProt Gene Name	ACSF2

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/acsf2-antibody-clone-at18b4-immunofluorescence-immunocytochemistry-western-blot-elisa/48275>