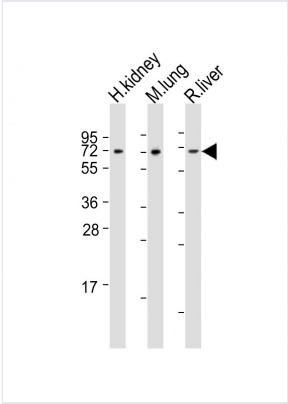
ACSF2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACSF2, Polyclonal Antibody
Full Product Name	ACSF2 Antibody (Center)
Product Gene Name	anti-ACSF2 antibody
Product Synonym Names	Purified Rabbit Polyclonal Antibody (Pab); Acyl-CoA synthetase family member 2, mitochondrial; 621-; ACSF2
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Specificity	This ACSF2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 198-232 amino acids from the Central region of human ACSF2.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	ACSF2 peptide (MBS9230141) is used for blocking the activity of ACSF2 antibody (MBS9215636)
Molecular Weight	68125
OMIM	610465
3D Structure	ModBase 3D Structure for Q96CM8
Antigen Source	Human
Product Categories/Family for anti-ACSF2 antibody	Cardiovascular; Metabolism; Signal transduction
Applications Tested/Suitable for anti-ACSF2 antibody	Western Blot (WB)
Application Notes for anti-ACSF2 antibody	WB ~~ 1:2000
Related Product Information for anti-ACSF2 antibody	Acyl-CoA synthases catalyze the initial reaction in fatty acid metabolism, by forming a thioester with CoA. Has some preference toward medium-chain substrates. Plays a role in adipocyte differentiation.
Product References and Citations for anti-ACSF2 antibody	Clark H.F.,et al.Genome Res. 13:2265-2270(2003). Ota T.,et al.Nat. Genet. 36:40-45(2004). Zody M.C.,et al.Nature 440:1045-1049(2006). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Perera R.J.,et al.Gene 369:90-99(2006).
Other Notes	Small volumes of anti-ACSF2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ACSF2 purchase	MBS9215636 is an antibody targeting ACSF2. Also known as ACSF2 Antibody (Center). Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-ACSF2 antibody
All lanes : Anti-ACSF2 Antibody (Center) at 1:2000 dilutionLane 1: human kidney lysatesLane 2: mouse lung lysatesLane 3: rat liver lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 68 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACSF2. It may not necessarily be applicable to this product.

NCBI GI #	572872742
NCBI GeneID	80221
NCBI Accession #	NP_001275897.1
UniProt Primary Accession #	Q96CM8
UniProt Secondary Accession #	Q9H7G2; B4DFQ6; B4DHT5; B4DUF5
UniProt Related Accession #	Q96CM8
GenBank Nucleotide #	NM_001288968.1
NCBI Official Full Name	acyl-CoA synthetase family member 2, mitochondrial isoform 1
NCBI Official Synonym Full Names	acyl-CoA synthetase family member 2
NCBI Official Symbol	ACSF2
NCBI Official Synonym Symbols	ACSMW; AVYV493
UniProt Protein Name	Acyl-CoA synthetase family member 2, mitochondrial
Protein Family	Acyl-CoA synthetase family
UniProt Gene Name	ACSF2
UniProt Entry Name	ACSF2_HUMAN
NCBI Protein Information	acyl-CoA synthetase family member 2, mitochondrial

NCBI Summary for ACSF2	ACSF2: Acyl-CoA synthases catalyze the initial reaction in fatty acid metabolism, by forming a thioester with CoA. Has some preference toward medium-chain substrates. Plays a role in adipodyte differentiation. Belongs to the ATP-dependent AMP-binding enzyme family. Protein type: Ligase; EC 6.2.1.- Chromosomal Location of Human Ortholog: 17q21.33 Cellular Component: mitochondrion Molecular Function: protein binding; ATP binding; ligase activity Biological Process: fatty acid metabolic process
UniProt Comments for ACSF2	ACSF2: Acyl-CoA synthases catalyze the initial reaction in fatty acid metabolism, by forming a thioester with CoA. Has some preference toward medium-chain substrates. Plays a role in adipodyte differentiation. Belongs to the ATP-dependent AMP-binding enzyme family. Protein type: EC 6.2.1.-; Ligase Chromosomal Location of Human Ortholog: 17q21.33 Cellular Component: mitochondrial matrix Molecular Function: ATP binding; ligase activity; protein binding Biological Process: cellular lipid metabolic process; fatty acid metabolic process; triacylglycerol biosynthetic process
Research Articles on ACSF2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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