ACSM4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ACSM4, Polyclonal Antibody
Full Product Name	ACSM4, CT (ACSM4, Acyl-coenzyme A synthetase ACSM4, mitochondrial, Acyl-CoA synthetase medium-chain family member 4)
Product Gene Name	anti-ACSM4 antibody
Product Synonym Names	Anti -ACSM4, CT (ACSM4, Acyl-coenzyme A synthetase ACSM4, mitochondrial, Acyl-CoA synthetase medium-chain family member 4)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	65,703 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (7456928..7480969). Location: 12p13.31
OMIM	614360
3D Structure	ModBase 3D Structure for P0C7M7
Immunogen	ACSM4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 548-576 amino acids from the C-terminal region of human ACSM4.
Product Categories/Family for anti-ACSM4 antibody	Antibodies; Abs to CoEnzyme A
Applications Tested/Suitable for anti-ACSM4 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-ACSM4 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-ACSM4 antibody	MBS6001555 is an antibody targeting ACSM4. Also known as ACSM4, CT (ACSM4, Acyl-coenzyme A synthetase ACSM4, mitochondrial, Acyl-CoA synthetase medium-chain family member 4). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ACSM4 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ACSM4. It may not necessarily be applicable to this product.

NCBI GI #	122937307
NCBI GeneID	341392
NCBI Accession #	NP_001073923.1
UniProt Primary Accession #	P0C7M7
UniProt Secondary Accession #	A8MTI6
UniProt Related Accession #	P0C7M7
GenBank Nucleotide #	NM_001080454.1
NCBI Official Full Name	acyl-coenzyme A synthetase ACSM4, mitochondrial
NCBI Official Synonym Full Names	acyl-CoA synthetase medium-chain family member 4
NCBI Official Symbol	ACSM4
UniProt Protein Name	Acyl-coenzyme A synthetase ACSM4, mitochondrial
UniProt Synonym Protein Names	Acyl-CoA synthetase medium-chain family member 4
Protein Family	Acyl-coenzyme A synthetase
UniProt Gene Name	ACSM4
UniProt Entry Name	ACSM4_HUMAN
NCBI Protein Information	acyl-coenzyme A synthetase ACSM4, mitochondrial
UniProt Comments for ACSM4	ACSM4: Has medium-chain fatty acid:CoA ligase activity with broad substrate specificity (in vitro). Acts on acids from C(4) to C(11) and on the corresponding 3-hydroxy- and 2,3- or 3,4- unsaturated acids (in vitro). Belongs to the ATP-dependent AMP-binding enzyme family. Protein type: Carbohydrate Metabolism - butanoate; EC 6.2.1.2; Mitochondrial; Ligase Chromosomal Location of Human Ortholog: 12p13.31 Cellular Component: mitochondrial matrix Molecular Function: butyrate-CoA ligase activity; metal ion binding; fatty-acyl-CoA synthase activity; ATP binding Biological Process: acyl-CoA metabolic process; fatty acid metabolic process
Research Articles on ACSM4	**1.** Observational study of gene-disease association. (HuGE Navigator)
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