

Rabbit anti-Human ACSS2 Polyclonal Antibody | anti-ACSS2 antibody

ACSS2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289445	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

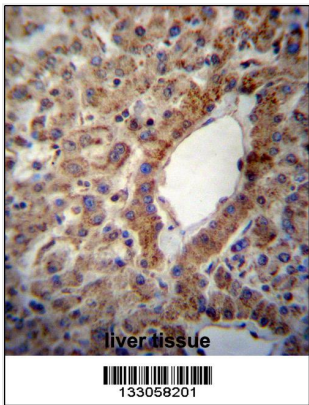
PRODUCT SYNONYMS

ACSS2; Polyclonal Antibody; ACSS2 Antibody (Center); Acetyl-coenzyme A synthetase; cytoplasmic; Acetate--CoA ligase; Acetyl-CoA synthetase; ACS; AceCS; Acyl-CoA synthetase short-chain family member 2; Acyl-activating enzyme; ACAS2; anti-ACSS2 antibody

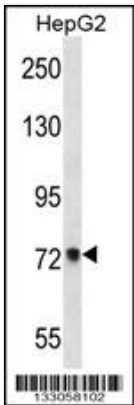
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACSS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-290 amino acids from the Central region of human ACSS2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	261-290
Sequence Length	714
Applicable Applications for anti-ACSS2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.

IMAGES



IHC (Immunohistochemistry)
ACSS2 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ACSS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ACSS2 Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ACSS2 antibody detected the ACSS2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ACSS2 antibody	This gene encodes a cytosolic enzyme that catalyzes the activation of acetate for use in lipid synthesis and energy generation. The protein acts as a monomer and produces acetyl-CoA from acetate in a reaction that requires ATP. Expression of this gene is regulated by sterol regulatory element-binding proteins, transcription factors that activate genes required for the synthesis of cholesterol and unsaturated fatty acids. Alternative splicing results in multiple transcript variants. [provided by RefSeq].
Product Categories/Family for anti-ACSS2 antibody	Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Yilmaz, S., et al. Genomics 96(1):57-65(2010) Ban, H.J., et al. BMC Genet. 11, 26 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Yun, M., et al. J. Nucl. Med. 50(8):1222-1228(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	253970489
NCBI GeneID	55902
NCBI Accession #	NP_001070020.2; NP_061147.1
NCBI GenBank Nucleotide #	NM_001076552.2
UniProt Accession #	Q9NR19; Q5QPH2; Q5QPH3; Q8N238; Q96EL0; Q9NQP7; Q9UJ15; A6NE90
Molecular Weight	78580
NCBI Official Full Name	acetyl-coenzyme A synthetase, cytoplasmic isoform 2
NCBI Official Synonym Full Names	acyl-CoA synthetase short-chain family member 2
NCBI Official Symbol	ACSS2
NCBI Official Synonym Symbols	ACS; ACSA; ACAS2; ACECS; dJ1161H23.1
NCBI Protein Information	acetyl-coenzyme A synthetase, cytoplasmic

UniProt Protein Name	Acetyl-coenzyme A synthetase, cytoplasmic
UniProt Gene Name	ACSS2
UniProt Synonym Gene Names	ACAS2; ACS; AceCS
UniProt Entry Name	ACSA_HUMAN

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/polyclonal/acss2-antibody-immunohistochemistry-western-blot-elisa/289445>