Rabbit anti-Human, Mouse ACSS1 Polyclonal Antibody | anti-ACSS1 antibody

ACSS1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324409	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

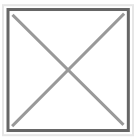
PRODUCT SYNONYMS

ACSS1; Polyclonal Antibody; ACSS1 Antibody; ACAS2L; AceCS2; AceCS2L; Acetate CoA ligase 2; Acetate--CoA ligase 2; Acetyl CoA synthetase 2; Acetyl Coenzyme A synthetase 2 (AMP forming) like; Acetyl coenzyme A synthetase 2 like; mitochondrial; Acetyl-CoA synthetase 2; Acetyl-coenzyme A synthetase 2-like; ACS2L_HUMAN; Acss1; Acyl CoA synthetase short chain family member 1; Acyl-CoA synthetase short-chain family member 1; FLJ45659; KIAA1846; MGC33843; anti-ACSS1 antibody

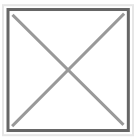
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ACSS1 antibody detects endogenous levels of total ACSS1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	687
Applicable Applications for anti-ACSS1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ACSS1, corresponding to a region within C-terminal amino acids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

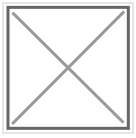
IMAGES



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using ACS2L Ab. The lane on the left was treated with the antigen-specific peptide.



IHC (Immunohiostchemistry)
AAA324409 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA324409 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

References	Li B, Chen X, Yang W, He J, He K, Xia Z, Zhang J, Xiang G; Journal: Int J Oncol. Single-walled carbon nanohorn aggregates promotes mitochondrial dysfunction-induced apoptosis in hepatoblastoma cells by targeting SIRT3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	358248205
NCBI GeneID	84532
NCBI Accession #	NP_001239604.1
NCBI GenBank Nucleotide #	NM_001252675.1
UniProt Accession #	Q9NUB1; Q5TF42; Q8IV99; Q8N234; Q96JI1; Q96JX6; Q9NU28; B3KXL2; B4DJZ3; D3DW48; F5H6F4; F8W7Y1
Molecular Weight	75 kD
NCBI Official Full Name	acetyl-coenzyme A synthetase 2-like, mitochondrial isoform 2
NCBI Official Synonym Full Names	acyl-CoA synthetase short chain family member 1
NCBI Official Symbol	ACSS1
NCBI Official Synonym Symbols	ACAS2L; ACECS1; AceCS2L
NCBI Protein Information	acetyl-coenzyme A synthetase 2-like, mitochondrial
UniProt Protein Name	Acetyl-coenzyme A synthetase 2-like, mitochondrial
UniProt Gene Name	**ACSS1**
UniProt Synonym Gene Names	ACAS2L; KIAA1846; AceCS2

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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