

Rabbit SLC27A5 Polyclonal Antibody | anti-SLC27A5 antibody

SLC27A5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324519	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SLC27A5; Polyclonal Antibody; SLC27A5 Antibody; ACSB; ACSVL6; BA CoA ligase; BA-CoA ligase; BACS; BAL; Bile acid CoA ligase; Bile acid-CoA ligase; Bile acyl CoA synthetase; Bile acyl-CoA synthetase; Cholate CoA ligase; Cholate--CoA ligase; FACVL3; FATP 5; FATP-5; FATP5; Fatty acid Coenzyme A ligase very long chain 3; Fatty acid transport protein 5; Fatty-acid-coenzyme A ligase; FLJ22987; S27A5_HUMAN; Slc27a5; Solute carrier family 27 (fatty acid transporter) member 5; Solute carrier family 27 member 5; Very long chain acyl CoA synthetase homolog 2; Very long chain acyl CoA synthetase related protein; very long-chain 3; Very long-chain acyl-CoA synthetase homolog 2; Very long-chain acyl-CoA synthetase-related protein; VLACS related; VLACS-related; VLACSR; VLCS H2; VLCS-H2; VLCSH2; anti-SLC27A5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC27A5 antibody detects endogenous levels of total SLC27A5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	606
Applicable Applications for anti-SLC27A5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endoplasmic Reticulum Membrane.
Tissue Specificity	Predominantly expressed in liver.
Predicted Cross Reactivity	Bovine, Horse
Similarity	Bovine (91%), Horse (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from various samples, using SLC27A5 Antibody. Lane 1: mouse brain treated with antigen-specific peptide; Lane 2: mouse brain; Lane 3: rat brain;



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using SLC27A5 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA324519 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)

AAA324519 staining HepG2 cells 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) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC27A5 antibody

Function: Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, also activates 3-alpha, 7-alpha, 12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol.
Similarity: Belongs to the ATP-dependent AMP-binding enzyme family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1007386236
NCBI GeneID	10998
NCBI Accession #	NP_001308125.1
NCBI GenBank Nucleotide #	NM_001321196.1
UniProt Accession #	Q9Y2P5; B3KVP6; B4DPQ1
Molecular Weight	Observed: 75 kD Predicted: 76 kDa
NCBI Official Full Name	bile acyl-CoA synthetase isoform 2
NCBI Official Synonym Full Names	solute carrier family 27 member 5
NCBI Official Symbol	SLC27A5
NCBI Official Synonym Symbols	BAL; ACSB; BACS; FATP5; ACSVL6; FACVL3; FATP-5; VLACSR; VLCSH2; VLCS-H2
NCBI Protein Information	bile acyl-CoA synthetase
UniProt Protein Name	Bile acyl-CoA synthetase
UniProt Gene Name	SLC27A5
UniProt Synonym Gene Names	ACSB; ACSVL6; FACVL3; FATP5; BACS; BA-CoA ligase; BAL; FATP-5; VLCS-H2; VLCSH2; VLACS-related; VLACSR

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.

