

Rabbit SLC27A2 Polyclonal Antibody | anti-SLC27A2 antibody

SLC27A2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326003	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SLC27A2; Polyclonal Antibody; SLC27A2 Antibody; ACSVL1; FACVL1; FATP 2; FATP-2; FATP2; Fatty acid coenzyme A ligase; very long chain 1; Fatty acid transport protein 2; Fatty-acid-coenzyme A ligase; hFACVL1; HsT17226; Long chain fatty acid CoA ligase; Long-chain-fatty-acid--CoA ligase; S27A2_HUMAN; Slc27a2; Solute carrier family 27 (fatty acid transporter); member 2; Solute carrier family 27 member 2; THCA CoA ligase; THCA-CoA ligase; Very long chain acyl CoA synthetase; Very long chain fatty acid CoA ligase; Very long chain fatty acid coenzyme A ligase 1; very long-chain 1; Very long-chain acyl-CoA synthetase; Very long-chain-fatty-acid-CoA ligase; VLACS; VLCS; anti-SLC27A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC27A2 antibody detects endogenous levels of total SLC27A2
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	567
Applicable Applications for anti-SLC27A2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC27A2
Subcellular Location	Endoplasmic Reticulum Membrane. Peroxisome Membrane. Peripheral membrane associated with the luminal side of peroxisomes.
Tissue Specificity	Expressed in liver, kidney, placenta and pancreas.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
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 HepG2 lysate using SLC27A2 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326003 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC27A2 antibody

Description: The protein encoded by this gene is an isozyme of long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme activates long-chain, branched-chain and very-long-chain fatty acids containing 22 or more carbons to their CoA derivatives. It is expressed primarily in liver and kidney, and is present in both endoplasmic reticulum and peroxisomes, but not in mitochondria. Its decreased peroxisomal enzyme activity is in part responsible for the biochemical pathology in X-linked adrenoleukodystrophy. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]
Function: Acyl-CoA synthetase probably involved in bile acid metabolism. Proposed to activate C27 precursors of bile acids to their CoA thioesters derivatives before side chain cleavage via peroxisomal beta-oxidation occurs. In vitro, 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. Does not utilize C24 bile acids as substrates. In vitro, also activates long-and branched-chain fatty acids and may have additional roles in fatty acid metabolism. May be involved in translocation of long-chain fatty acids (LFCA) across membranes (By similarity).
Similarity: Belongs to the ATP-dependent AMP-binding enzyme family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	227499621
NCBI GeneID	11001
NCBI Accession #	NP_001153101.1
NCBI GenBank Nucleotide #	NM_001159629.1
UniProt Accession #	O14975; Q53FY6; Q6PF09; A8K2J7
Molecular Weight	Observed: 65 kDa Predicted: 71 kDa
NCBI Official Full Name	very long-chain acyl-CoA synthetase isoform 2
NCBI Official Synonym Full Names	solute carrier family 27 member 2
NCBI Official Symbol	SLC27A2
NCBI Official Synonym Symbols	VLCS; FATP2; VLACS; ACSVL1; FACVL1; hFACVL1; HsT17226
NCBI Protein Information	very long-chain acyl-CoA synthetase
UniProt Protein Name	Very long-chain acyl-CoA synthetase
UniProt Gene Name	SLC27A2
UniProt Synonym Gene Names	ACSVL1; FACVL1; FATP2; VLACS; VLACS; VLCS; FATP-2

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.