

Rabbit SLC27A2 Polyclonal Antibody | anti-SLC27A2 antibody

SLC27A2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23511	Rabbit	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SLC27A2; Polyclonal Antibody; SLC27A2 antibody - N-terminal region; anti-SLC27A2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Species Reactivity: Human Predicted Species Reactivity: Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide with the following region: LL FRDETLYAQ VDRRSNQVAR ALHDHLGLRQ GDCVALLMGN EPAYVWLW
Sequence Length	620
Applicable Applications for anti-SLC27A2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC Information: Liver, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 92%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC27A2
Protein Size (# AA)	620 amino acids
Protein Interactions	UBC; YWHAQ; SDHA; PEX14; CALR; ABCD1; PEX5; NCSTN;
Enhanced Validation	WB Y SPR YCHAROS
Blocking Peptide	For anti-SLC27A2 (AAA23511) antibody is Catalog #
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
25 ug of the indicated Human whole cell extracts was loaded onto a 12% SDS-PAGE gel. 1 ug/mL of the antibody was used in this experiment. Canonical 70 kDa isoform is identified, and a second isoform of 65 kDa is also present in some samples.



WB (Western Blot)
WB Suggested Anti-SLC27A2 antibody Titration: 1 ug/mL Sample Type: Human PANC1



WB (Western Blot)
WB Suggested Anti-SLC27A2 antibody Titration: 1 ug/mL Sample Type: Human MCF7



WB (Western Blot)
WB Suggested Anti-SLC27A2 Antibody Titration: 1 ug/mL Positive Control: Jurkat lysate



WB (Western Blot)
WB Suggested Anti-SLC27A2 Antibody Titration: 1 ug/mL Positive Control: Hela cell lysate



WB (Western Blot)
Host: Rabbit Target Name: SLC27A2 Sample Type: Hela Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1ug/mL Peptide Concentration: 5.0 ug/mL Lysate Quantity: 25ug/lane/lane Gel Concentration: 12% SLC27A2 is strongly supported by BioGPS gene expression data to be expressed in Human HeLa cells

ADDITIONAL INFORMATION

Related Product Information for anti-SLC27A2 antibody	This is a rabbit polyclonal antibody against SLC27A2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SLC27A2 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. 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.
Product Categories/Family for anti-SLC27A2 antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	227499619
NCBI GeneID	11001
NCBI Accession #	NP_003636
NCBI GenBank Nucleotide #	NM_003645
UniProt Accession #	O14975

Molecular Weight	70kDa
NCBI Official Full Name	very long-chain acyl-CoA synthetase isoform 1
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
UniProt Entry Name	S27A2_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/slc27a2-antibody-immunohistochemistry-western-blot-elisa/23511>