

Datasheet for ABIN2781594
anti-SLC27A2 antibody (N-Term)

8 Images

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Overview

Quantity:	100 µL
Target:	SLC27A2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC27A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC27A2
Sequence:	LLFRDETLTY AQVDRRSNQV ARALHDHLGL RQGDCVALLM GNEPAYVWLW
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 92%, Horse: 93%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against SLC27A2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SLC27A2
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Target Details

Alternative Name: SLC27A2 ([SLC27A2 Products](#))

Background: 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.

Alias Symbols: ACSVL1, FACVL1, FATP2, HsT17226, VLACS, VLCS, hFACVL1

Protein Interaction Partner: UBC, YWHAQ, SDHA, PEX14, CALR, ABCD1, PEX5, NCSTN,

Protein Size: 620

Molecular Weight: 70 kDa

Gene ID: 11001

NCBI Accession: [NM_003645](#), [NP_003636](#)

UniProt: [O14975](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

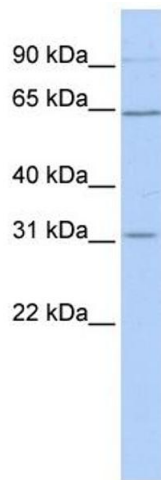
Comment: Antigen size: 620 AA

Restrictions: For Research Use only

Handling

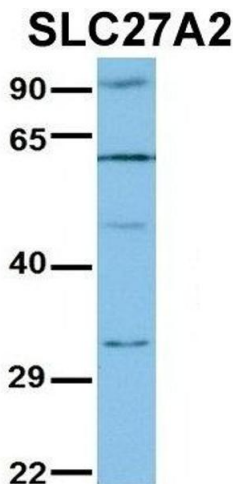
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SLC27A2 Antibody Titration: 1 ug/ml Positive Control: Hela cell lysate



Western Blotting

Image 2. WB Suggested Anti-SLC27A2 Antibody Titration: 1 ug/ml Positive Control: Jurkat lysate



Rabbit Anti-SLC27A2 Antibody
Catalog Number: ARP43855
Lot Number: QC14537
Paraffin Embedded Tissue: Human Liver
Antibody Concentration: 10.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.
Aviva Systems Biology is the original manufacturer of this antibody.

Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2781594.