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Datasheet for ABIN915545

anti-SLC27A2 antibody (AA 401-500) (Alexa Fluor 647)

Overview

Quantity:	100 µL
Target:	SLC27A2
Binding Specificity:	AA 401-500
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC27A2 antibody is conjugated to Alexa Fluor 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLC27A2/ACSVL1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	SLC27A2
Alternative Name:	SLC27A2/ACSVL1 (SLC27A2 Products)

Target Details

Background:	<p>Synonyms: VLCS, FATP2, VLACS, ACSVL1, FACVL1, hFACVL1, HsT17226, Very long-chain acyl-CoA synthetase, Fatty acid transport protein 2, FATP-2, Fatty-acid-coenzyme A ligase, very long-chain 1, Long-chain-fatty-acid-CoA ligase, Solute carrier family 27 member 2, THCA-CoA ligase, Very long-chain-fatty-acid-CoA ligase, SLC27A2</p> <p>Background: 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-α,7-α,12-α-trihydroxy-5-β-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).</p>
Gene ID:	11001
UniProt:	O14975
Pathways:	Monocarboxylic Acid Catabolic Process , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μ g/ μ L
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months