

## Product datasheet for **TA333990**

### **FATP2 (SLC27A2) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-SLC27A2 Antibody: synthetic peptide directed towards the N terminal of human SLC27A2. Synthetic peptide located within the following region: LLFRDETLTYAQVDRRSNQVARALHDHLGLRQGDCVALLMGNEPAYVWLW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	70 kDa
Gene Name:	solute carrier family 27 member 2
Database Link:	<a href="#">NP_003636</a> <a href="#">Entrez Gene 11001 Human</a> <a href="#">O14975</a>



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**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.

**Synonyms:**

ACSVL1; FACVL1; FATP2; hFACVL1; HsT17226; VLACS; VLCS

**Note:**

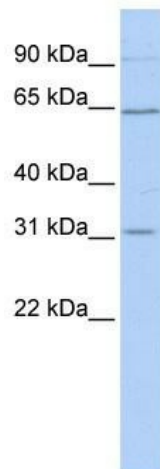
Immunogen sequence homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Dog: 93%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 92%

**Protein Families:**

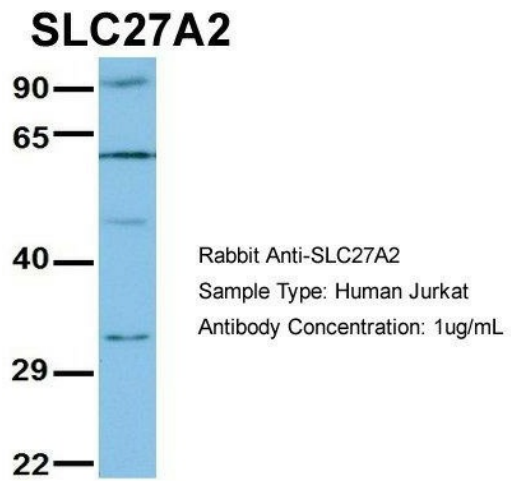
Transmembrane

**Protein Pathways:**

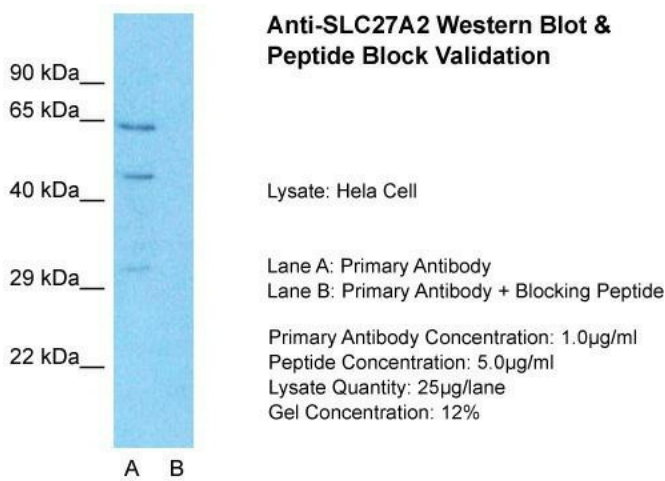
PPAR signaling pathway

**Product images:**

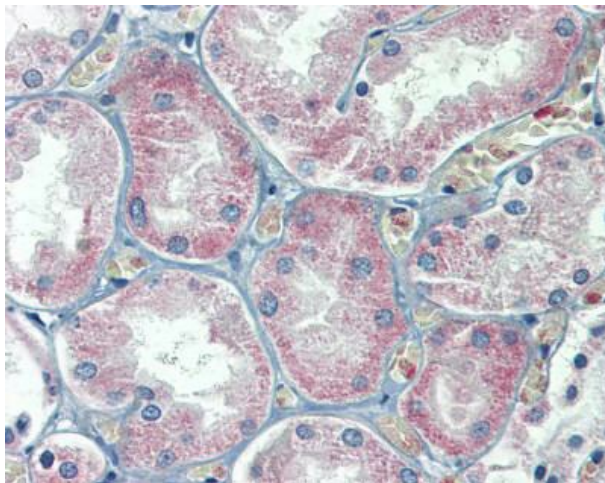
WB Suggested Anti-SLC27A2 Antibody Titration: 1 ug/ml; Positive Control: Hela cell lysate



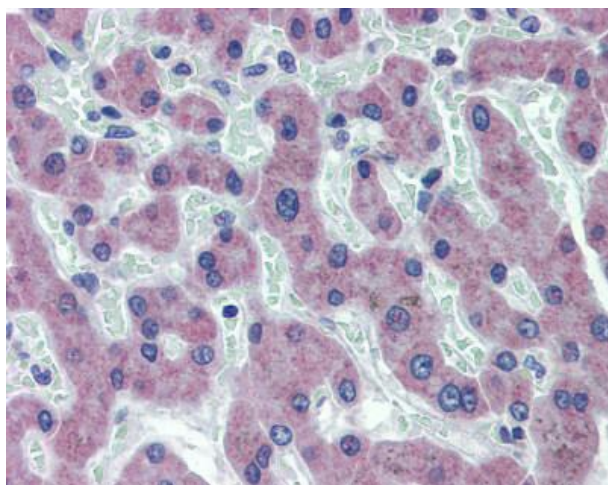
WB Suggested Anti-SLC27A2 Antibody Titration: 1 ug/ml; Positive Control: Jurkat lysate



Host: Rabbit; Target Name: SLC27A2; Sample Tissue: HeLa; Lane A: Primary Antibody; Lane B: Primary Antibody + Blocking Peptide ; Primary Antibody Concentration:1 ug/ml; Peptide Concentration: 5.0 ug/ml; Lysate Quantity: 25ug/lane/lane; Gel Concentration: 12



Liver, Human: Formalin-Fixed, Paraffin-Embedded (FFPE)



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