



## Rabbit Anti-SLC27A5 antibody

SL4088R

<b>Product Name:</b>	SLC27A5
<b>Chinese Name:</b>	脂肪酸Transporter5抗体
<b>Alias:</b>	ACSB; ACSVL6; BA CoA ligase; BACS; BAL; Bile acid CoA ligase; Bile acyl CoA synthetase; Cholate CoA ligase; FACVL3; FATP 5; FATP5; Fatty acid Coenzyme A ligase very long chain 3; Fatty acid transport protein 5; Solute carrier family 27 (fatty acid transporter) member 5; Solute carrier family 27 member 5; Very long chain acyl CoA synthetase homolog 2; Very long chain acyl CoA synthetase related protein; VLACS related; VLACSR; VLCS H2; VLCSH2; S27A5 HUMAN.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b> SL4088R has been referenced in 1 publications. [IF=2.25]Han, Ying, et al. "Basis of aggravated hepatic lipid metabolism by chronic stress in high-fat diet-fed rat." Endocrine: 1-10. <b>WB;Rat.</b> <a href="#">PubMed:24895043</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	75kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SLC27A5:251-350/690
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>SLC27A5 is an isozyme of very long chain acyl CoA synthetase (VLCS). It is an acyl CoA synthetase involved in bile acid metabolism and is proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. It seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, it also activates 3 alpha,7 alpha,12 alpha trihydroxy 5 beta cholestanate (THCA), the C27 precursor of cholic acid derived from the de novo synthesis from cholesterol.</p> <p><b>Function:</b> Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering the liver from the enterohepatic circulation. In vitro, also 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.</p> <p><b>Subcellular Location:</b> Endoplasmic reticulum membrane; Multi-pass membrane protein.</p> <p><b>Tissue Specificity:</b> Predominantly expressed in liver.</p> <p><b>Similarity:</b> Belongs to the ATP-dependent AMP-binding enzyme family.</p> <p><b>SWISS:</b> Q9Y2P5</p> <p><b>Gene ID:</b> 10998</p> <p><b>Database links:</b> <a href="#">Entrez Gene: 10998</a>Human <a href="#">Entrez Gene: 26459</a>Mouse <a href="#">Oimim: 603314</a>Human <a href="#">SwissProt: Q9Y2P5</a>Human</p>

[SwissProt: Q4LDG0](#)Mouse

[Unigene: 292177](#)Human

[Unigene: 10984](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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