长链脂肪酸辅酶 A 连接酶抗体

产品货号： mlR3936

英文名称： SLC27A2

中文名称： 长链脂肪酸辅酶 A 连接酶抗体

别　　名： ACSVL1; FACVL1; FATP 2; FATP2; Fatty acid coenzyme A ligase, very long chain 1; Fatty acid transport protein 2; hFACVL1; HsT17226; Long chain fatty acid CoA ligase; Solute carrier family 27 (fatty acid transporter), member 2; Solute carrier family 27 member 2; THCA CoA ligase; Very long chain acyl CoA synthetase; Very long chain fatty acid CoA ligase; Very long chain fatty acid coenzyme A ligase 1; VLACS; VLCS; S27A2_HUMAN.

研究领域： 肿瘤　免疫学　发育生物学　信号转导　转录调节因子　转运蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit,

产品应用： ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 70kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human SLC27A2/ACSVL1:401-500/620

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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.

PubMed： **PubMed**

产品介绍 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 may 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.

Function:

Acyl-CoA synthetase probably involved in bile acid metabolism. Proposed to activate C27 precurors of bile acids to their CoA thioesters derivatives before side chain cleavage via peroxisomal beta-oxidation occurs. In vitro, 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. 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).

Subcellular Location:

Endoplasmic reticulum membrane; Multi-pass membrane protein. Peroxisome membrane; Multi-pass membrane protein.

Tissue Specificity:

Expressed in liver, kidney, placenta and pancreas.

Similarity:

Belongs to the ATP-dependent AMP-binding enzyme family.

SWISS:

O14975

Gene ID:

11001

Important Note:

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