



Rabbit Anti-SLC27A6 antibody

SL9454R

Product Name:	SLC27A6
Chinese Name:	脂肪酸Transporter6抗体
Alias:	very long-chain 2; ACSVL2; FACVL2; FATP 6; FATP-6; FATP6; Fatty acid coenzyme A ligase, very long chain 2; Fatty acid transport protein 6; Fatty-acid-coenzyme A ligase; hVLCS H1; hVLCS-H1; Long-chain fatty acid transport protein 6; S27A6_HUMAN; SLC27A6; solute carrier family 27 fatty acid transporter member 6; Solute carrier family 27 member 6; Very long chain acyl CoA synthetase homolog 1; Very long-chain acyl-CoA synthetase homolog 1; VLCS H1; VLCSH1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,Rabbit,Zebrafish,Fruit Fly,(Drosophilamelanogaster),
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	70kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SLC27A6/ACSVL2:231-330/619
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	Acyl-coenzyme A synthetases (ACs) are a large family of related enzymes known to

catalyze the fundamental initial reaction in fatty acid metabolism. The ACS family is roughly characterized based on fatty acid chain length preference amongst different members. The nomenclature in the ACS family reflects this relationship and includes short-chain ACS (ACSS), medium-chain ACS (ACSM), long-chain ACS (ACSL) and very long-chain ACS (ACSVL). ACSVL family members are capable of activating both long (LCFAs) and very long-chain fatty acids (VLCFAs). There are six members of the human ACSVL subfamily, which have been described as solute carrier family 27A (SLC27A) gene products. They represent a group of evolutionarily conserved fatty acid transport proteins (FATPs) recognized for their role in facilitating translocation of long-chain fatty acids across the plasma membrane. The family nomenclature has recently been unified with their respective acyl-CoA synthetase family designations: ACSVL1 (FATP2), ACSVL2 (FATP6), ACSVL3 (FATP3), ACSVL4 (FATP1), ACSVL5 (FATP4) and ACSVL6 (FATP5). ACSVLs have unique expression patterns and are found in major organs of fatty acid metabolism, such as adipose tissue, liver, heart and kidney. ACSVL2 is a 619 amino acid multi-pass membrane protein. Encoded by a gene that maps to human chromosome 5q23.3, ACSVL2 may function as the predominant fatty acid protein transporter in heart.

Function:

Involved in translocation of long-chain fatty acids (LFCA) across the plasma membrane. Thought to function as the predominant fatty acid protein transporter in heart.

Subcellular Location:

Membrane. Cell membrane; sarcolemma. In heart is exclusively located on the sarcolemma in areas juxtaposed with small blood vessels where it colocalizes CD36.

Tissue Specificity:

Strongly expressed in heart and localizes to cardiac myocytes. Expressed at moderate levels in placenta, testis, and adrenal glands. Expressed at very low levels in kidney, bladder and uterus.

Similarity:

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

SWISS:

Q9Y2P4

Gene ID:

28965

Database links:

[Entrez Gene: 28965](#)Human

[Entrez Gene: 225579](#)Mouse

[Entrez Gene: 291582](#)Rat

[Oimim: 604196](#)Human

[SwissProt: Q9Y2P4](#)Human

[Unigene: 49765](#)Human

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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