SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-SLC27A4 antibody

Catalog Number: SL11535R

FOR RESEARCH USE ONLY

[DATASHEET]

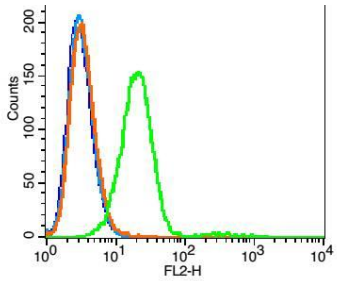
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	SLC27A4
Immunogen:	KLH conjugated synthetic peptide derived from human SLC27A4: 288-360/643
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	Flow-Cyt=1μg/Test （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat (predicted:Human,Mouse,Chicken,Pig,Cow,Horse)
Predicted MW.:	72kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids cross the plasma membrane. This protein is expressed at high levels on the apical side of mature enterocytes in the small intestine, and appears to be the principal fatty acid transporter in enterocytes. Clinical studies suggest this gene as a candidate gene for the insulin resistance syndrome. Mutations in this gene have been associated with ichthyosis prematurity syndrome. [provided by RefSeq, Apr 2010] **Function:** nvolved in translocation of long-chain fatty acids (LFCA) across the plasma membrane. Appears to be the principal fatty acid transporter in small intestinal enterocytes. Plays a role in the formation of the epidermal barrier. Required for fat absorption in early embryogenesis. Has acyl-CoA ligase activity for long-chain and very-long-chain fatty acids

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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	Subcellular Location: Membrane; Multi-pass membrane protein **Tissue Specificity:** Expressed at highest levels in brain, testis, colon and kidney. Expressed at medium levels in heart and liver, small intestine and stomach. Expressed at low levels in peripheral leukocytes, bone marrow, skeletal muscle and aorta. Expressed in adipose tissue. DISEASE: Defects in SLC27A4 are the cause of ichthyosis prematurity syndrome (IPS) [MIM:608649]. A keratinization disorder characterized by complications in the second trimester of pregnancy resulting from polyhydramnion, with premature birth of a child with thick caseous desquamating epidermis, respiratory complications and transient eosinophilia. After recovery during the first months of life, the symptoms are relatively benign and the patients suffer from a lifelong non-scaly ichthyosis with atopic manifestations. **Similarity:** Belongs to the ATP-dependent AMP-binding enzyme family. **Database links:** **Entrez Gene:** 10999 Human **Entrez Gene:** 26569 Mouse Omim: 604194 Human **SwissProt:** Q6P1M0 Human **SwissProt:** Q91VE0 Mouse **Unigene:** 656699 Human **Unigene:** 330113 Mouse

[VALIDATION IMAGES]



Blank control: RSC96 cells(blue). Primary Antibody: Rabbit Anti-SLC27A4 antibody(SL11535R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.
Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

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