SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-SLC25A10/AF647 Conjugated antibody

Catalog Number: SL3997R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-SLC25A10/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human SLC25A10
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Horse)
Background:	background: The mitochondrial dicarboxylate carrier protein (mDIC) belongs to superfamily of mitochondrial transporters. It has been demonstrated that the expression of mDIC leads to hyperpolarization of the mitochondria, as well as succinate uptake by the mitochondria. It is highly expressed in adipose tissue, where its expression is downregulated by insulin and upregulated by free fatty acids. mDIC is also thought to play a role in glyceroneogenesis. **Function:** Involved in translocation of malonate, malate and succinate in exchange for phosphate, sulfate, sulfite or thiosulfate across mitochondrial inner membrane. **Subcellular Location:** Mitochondrion inner membrane; Multi-pass membrane protein. **Tissue Specificity:** Present in high amounts in liver and kidney, and at lower levels in all the other tissues analyzed. **Similarity:** Belongs to the mitochondrial carrier (TC 2.A.29) family. Contains 3 Solcar repeats.

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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	Database links: UniProtKB/Swiss-Prot: Q9UBX3.2 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.