SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-CYB5R4/FITC Conjugated antibody

Catalog Number: SL14133R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-CYB5R4/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human CYB5R4
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,Mouse,Rat(predicted:Chicken,Dog,Pig,Cow,Horse,Sheep)
Background:	background: NCB5OR is a flavohemoprotein that contains functional domains found in both cytochrome b5 (CYB5A; MIM 613218) and CYB5 reductase (CYB5R3; MIM 613213) (Zhu et al., 1999 [PubMed 10611283]).[supplied by OMIM, Jan 2010] **Function:** NADH-cytochrome b5 reductase involved in endolasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS). Reduces a variety of substrates in vitro, such as cytochrome c, feericyanide and methemoglobin. **Subcellular Location:** Endoplasmic reticulum. Soluble protein. **Tissue Specificity:** Widely expressed. **Similarity:** Belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. Contains 1 CS domain. Contains 1 cytochrome b5 heme-binding domain.

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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	Contains 1 FAD-binding FR-type domain. **Database links:** **Entrez Gene:** 51167 Human Omim: 608343 Human **SwissProt:** Q7L1T6 Human **Unigene:** 5741 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.