SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CYB5R4 antibody

Catalog Number: SL14133R

FOR RESEARCH USE ONLY

[DATASHEET]

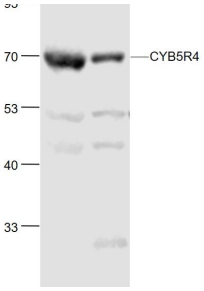
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CYB5R4
Immunogen:	KLH conjugated synthetic peptide derived from human CYB5R4: 21-120/521
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） 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)
Predicted MW.:	59kDa
Subcellular Location:	cytoplasmic
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

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

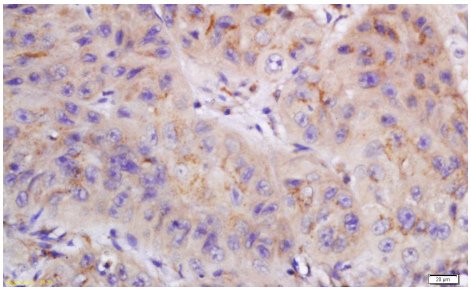
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	reductase family. Contains 1 CS domain. Contains 1 cytochrome b5 heme-binding domain. Contains 1 FAD-binding FR-type domain. **Database links:** **Entrez Gene:** 51167 Human Omim: 608343 Human **SwissProt:** Q7L1T6 Human **Unigene:** 5741 Human

[VALIDATION IMAGES]



Sample:
Testis (Mouse) Lysate at 40 ug
Testis (Rat) Lysate at 40 ug
Primary: Anti- CYB5R4 (SL14133R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 59 kD
Observed band size: 59 kD



Tissue/cell: human laryngocarcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min;
Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CYB5R4 Polyclonal Antibody, Unconjugated(SL14133R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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