SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-COX7B antibody

Catalog Number: SL14014R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	COX7B
Immunogen:	KLH conjugated synthetic peptide derived from human COX7B: 25-80/80
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:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	6.4kDa
Subcellular Location:	cytoplasmic Mitochondrion
Background:	Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes subunit VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22. [provided by RefSeq, Jun 2011] **Function:** This protein is one of the nuclear-coded polypeptide chains of

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	cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport. **Subcellular Location:** Mitochondrion inner membrane. **Similarity:** Belongs to the cytochrome c oxidase VIIb family. **Database links:** **Entrez Gene:** 1349 Human **Entrez Gene:** 66142 Mouse **Entrez Gene:** 303393 Rat Omim: 603792 Human **SwissProt:** P24311 Human **SwissProt:** P56393 Mouse **SwissProt:** P80431 Rat **Unigene:** 522699 Human **Unigene:** 197728 Mouse **Unigene:** 2026 Rat

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