SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-COX7C antibody

Catalog Number: SL14016R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	COX7C
Immunogen:	KLH conjugated synthetic peptide derived from human COX7C: 17-63/63
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)
Predicted MW.:	6.2kDa
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 VIIc, which shares 87% and 85% amino acid sequence identity with mouse and bovine COX VIIc, respectively, and is found in all tissues. A pseudogene COX7CP1 has been found on chromosome 13. [provided by RefSeq, Jul 2008] **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 VIIc family. **Database links:** **Entrez Gene:** 1350 Human **Entrez Gene:** 12867 Mouse **Entrez Gene:** 100188937 Rat Omim: 603774 Human **SwissProt:** P15954 Human **SwissProt:** P17665 Mouse **SwissProt:** P80432 Rat **Unigene:** 430075 Human **Unigene:** 378898 Mouse **Unigene:** 105968 Rat

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