SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

**[ Primary Antibody ]**

# Rabbit Anti-COX7A1 antibody

**Catalog Number: SL14010R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | COX7A1 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human COX7A1: 22-79/79 |
| **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<br>IHC-F=1:100-500<br>ICC/IF=1:100-500<br>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human) |
| **Predicted MW.:** | 6.7kDa |
| **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 polypeptide 1 (muscle isoform) of subunit VIIa and the polypeptide 1 is present only in muscle tissues. Other polypeptides of subunit VIIa are present in both muscle and nonmuscle tissues, and are encoded by different genes. [provided by RefSeq, Jul 2008]<br>**Function:** This protein is one of the nuclear-coded polypeptide chains of |

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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

| | |
|---|---|
| | cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.<br>**Subcellular Location:** Mitochondrion inner membrane.<br>**Tissue Specificity:** Belongs to the cytochrome c oxidase VIIa family.<br>**Similarity:** Belongs to the cytochrome c oxidase VIIa family.<br>**Database links:**<br>**Entrez Gene:** 1346 Human<br>Omim: 123995 Human<br>**SwissProt:** P24310 Human<br>**Unigene:** 421621 Human |

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