

# **Product datasheet for TA331319**

## **COX7A2 Rabbit Polyclonal Antibody**

### **Product data:**

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB

Reactivity: Human

Host: Rabbit

**Isotype:** IgG

Clonality: Polyclonal

Immunogen: The immunogen for Anti-COX7A2 antibody is: synthetic peptide directed towards the C-

terminal region of Human COX7A2. Synthetic peptide located within the following region:

LFQEDDEIPLYLKGGVADALLYRATMILTVGGTAYAIYELAVASFPKKQE

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Conjugation: Unconjugated

**Storage:** Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 7 kDa

**Gene Name:** cytochrome c oxidase subunit 7A2

Database Link: NP 001856

Entrez Gene 1347 Human

P14406



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#### **COX7A2 Rabbit Polyclonal Antibody - TA331319**

Background:

Cytochrome c oxidase, 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 three catalytic subunits encoded by mitochondrial genes, and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, while the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, which is present in all tissues.

Synonyms: COX7AL; COX7AL1; COXVIIa-L; COXVIIAL; VIIAL

**Note:** Human: 100%; Bovine: 92%; Pig: 86%; Horse: 86%; Guinea pig: 86%; Rat: 83%; Rabbit: 79%;

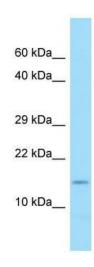
Mouse: 77%

**Protein Families:** Transmembrane

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Oxidative

phosphorylation, Parkinson's disease

## **Product images:**



WB Suggested Anti-COX7A2 Antibody; Titration: 1.0 ug/ml; Positive Control: Fetal Lung