

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. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
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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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