

Product datasheet for **TA331318**

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 middle region of Human COX7A2. Synthetic peptide located within the following region: ASRRHFKNKVPEKQKLFQEDDEIPLYLKGGVADALLYRATMILTVGGTAY
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>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	12 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.

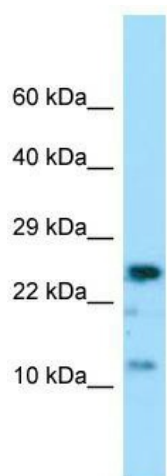
Synonyms: COX7AL; COX7AL1; COXVIIa-L; COXVIIAL; VIIAL

Note: Human: 100%; Dog: 85%; Pig: 85%; Horse: 85%; Sheep: 85%; Bovine: 85%; Rabbit: 85%; Guinea pig: 85%; Rat: 77%; Mouse: 77%; Zebrafish: 75%

Protein Families: Transmembrane

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

Product images:



Host: Rabbit; Target Name: COX7A2; Sample Tissue: MCF7 Whole Cell lysates; Antibody Dilution: 1.0ug/ml; COX7A2 is supported by BioGPS gene expression data to be expressed in MCF7