

Product datasheet for **TA340027**

COX7B 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-COX7B antibody: synthetic peptide directed towards the N terminal of human COX7B. Synthetic peptide located within the following region: MFPLVKSALNRLQVRSIQQTMARQSHQKRTPDFHDKYGNVAVLASGATFCI
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>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	6 kDa
Gene Name:	cytochrome c oxidase subunit 7B
Database Link:	NP_001857 Entrez Gene 1349 Human P24311



[View online »](#)

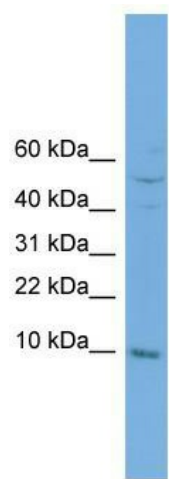
Background: Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural 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 VIIb, which is highly similar to bovine COX VIIb protein and is found in all tissues. This gene may have several pseudogenes on chromosomes 1, 2, 20 and 22, respectively.

Synonyms: APLCC; LSDMCA2

Note: Immunogen Sequence Homology: Human: 100%; Rat: 92%; Mouse: 92%; Rabbit: 92%; Pig: 77%

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

Product images:



WB Suggested Anti-COX7B Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive
Control: Jurkat cell lysate