

## Datasheet for ABIN633101 **anti-COX7B antibody (N-Term)**



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	COX7B
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX7B antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	COX7 B antibody was raised using the N terminal of COX7 corresponding to a region with amino acids MFPLVK <del>S</del> ALNRLQVRSIQQT <del>M</del> ARQSHQKRTPDFHDKYGN <del>A</del> VLASGATFCI
Specificity:	COX7 B antibody was raised against the N terminal of COX7
Purification:	Affinity purified

#### Target Details

Target:	COX7B
Alternative Name:	COX7B ( <a href="#">COX7B Products</a> )
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

## Target Details

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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.

Molecular Weight: 6 kDa (MW of target protein)

Pathways: [Proton Transport](#)

## Application Details

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Application Notes: WB: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: COX7B Blocking Peptide, catalog no. 33R-6000, is also available for use as a blocking control in assays to test for specificity of this COX7B antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of COX0 antibody in PBS

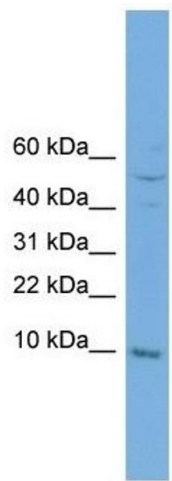
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** COX7B antibody used at 1 ug/ml to detect target protein.