

Datasheet for ABIN2773999
anti-COX7B antibody (N-Term)[Go to Product page](#)

1 Image

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human COX7B
Sequence:	MFPLVKALN RLQVRSIQQT MARQSHQKRT PDFHDKYGNA VLASGATFCI
Predicted Reactivity:	Human: 100%, Mouse: 92%, Pig: 77%, Rabbit: 92%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against COX7B. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	COX7B
Alternative Name:	COX7B (COX7B Products)
Background:	Cytochrome c oxidase (COX), the terminal component of the mitochondrial respiratory chain,

Target Details

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.

Alias Symbols: -

Protein Interaction Partner: UBC,

Protein Size: 80

Molecular Weight: 6 kDa

Gene ID: 1349

NCBI Accession: [NM_001866](#), [NP_001857](#)

UniProt: [P24311](#)

Pathways: [Proton Transport](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 80 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

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

Preservative: Sodium azide

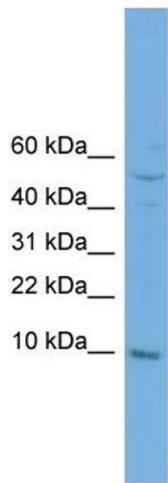
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

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