



Datasheet for ABIN951652  
**anti-COX6A2 antibody (Middle Region)**



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1 Image

Overview

Quantity:	0.4 mL
Target:	COX6A2
Binding Specificity:	AA 44-74, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX6A2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 44~74 amino acids from the Central region of human COX6A2
Isotype:	Ig Fraction
Specificity:	This antibody reacts to COX6A2.
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	COX6A2
Alternative Name:	Complex IV Subunit VIaH ( <a href="#">COX6A2 Products</a> )

## Target Details

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**Background:** Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. It 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 be involved in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (heart/muscle isoform) of subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform) of subunit VIa is encoded by a different gene, and is found in all non-muscle tissues. These two polypeptides share 66 % amino acid sequence identity. Synonyms: COX6A, COX6A2, COX6AH, Cytochrome c oxidase subunit 6A2, Mitochondria Complex IV

**Molecular Weight:** 10815 Da

**Gene ID:** 1339

**NCBI Accession:** [NP\\_005196](#)

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS, 0.09 % (W/V) sodium azide

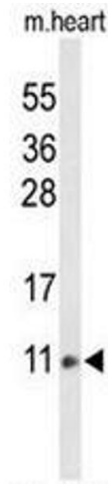
**Preservative:** Sodium azide

**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 freezing and thawing.

**Storage:** 4 °C/-20 °C

**Storage Comment:** Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



### Western Blotting

**Image 1.** Western blot analysis of COX6A2 Antibody (Center) in mouse heart tissue lysates (35µg/lane). COX6A2 (arrow) was detected using the purified Pab.