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## Datasheet for ABIN872468 **anti-COX5A antibody (AA 41-150)**

### Overview

Quantity:	100 µL
Target:	COX5A
Binding Specificity:	AA 41-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human COX5A
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Horse,Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	COX5A
Alternative Name:	Cox5a ( <a href="#">COX5A Products</a> )
Background:	Synonyms: COX, COX VA, COX5A, COX5A_HUMAN, Cytochrome c oxidase polypeptide Va, Cytochrome c oxidase polypeptide, mitochondrial, Cytochrome c oxidase subunit 5A,

## Target Details

Cytochrome c oxidase subunit 5A, mitochondrial, mitochondrial, Mitochondrial cytochrome c oxidase subunit Va, VA.

Background: Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22. [provided by RefSeq, Jul 2008].

Gene ID: 9377

Pathways: [Proton Transport](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: 4 °C, -20 °C

## Handling

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Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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Expiry Date: 12 months