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Datasheet for ABIN892038

**anti-COX5A antibody (AA 41-150) (HRP)**

## Overview

Quantity:	100 µL
Target:	COX5A
Binding Specificity:	AA 41-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX5A antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (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,

## Target Details

Cytochrome c oxidase polypeptide, mitochondrial, Cytochrome c oxidase subunit 5A, 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  
IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % 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.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Handling

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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months