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Datasheet for ABIN892054

anti-COX5A antibody (AA 41-150) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	COX5A
Binding Specificity:	AA 41-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX5A antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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 (COX5A Products)
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: 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: 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.

Storage: -20 °C

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

Handling

Expiry Date: 12 months