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Datasheet for ABIN742099  
**anti-COX7A2 antibody (AA 21-83) (Cy5)**

### Overview

Quantity:	100 µL
Target:	COX7A2
Binding Specificity:	AA 21-83
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX7A2 antibody is conjugated to Cy5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human COX7A2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	COX7A2
Alternative Name:	COX7A2 ( <a href="#">COX7A2 Products</a> )
Background:	Synonyms: Mitochondrion. Cytochrome c oxidase subunit 7A2, mitochondrial, COX7a related

## Target Details

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protein, Cytochrome c oxidase subunit VIIa-L, Cytochrome c oxidase subunit VIIa-liver/heart, COX7a-related protein, COX7AR, COX7RP, Cytochrome c oxidase subunit VIIa related protein, mitochondrial, Cytochrome c oxidase subunit VIIaL, Cytochrome c oxidase subunit VIIa-L, Cytochrome c oxidase subunit VIIa-related protein, mitochondrial [Precursor], EB1, Estrogen receptor binding CpG island, SIG81, CX7A2\_HUMAN.

Background: Cytochrome c oxidase, the terminal component of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. This component is a heteromeric complex consisting of three catalytic subunits encoded by mitochondrial genes, and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function in electron transfer, while the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 2 (liver isoform) of subunit VIIa, with this polypeptide being present in both muscle and non-muscle tissues. In addition to polypeptide 2, subunit VIIa includes polypeptide 1 (muscle isoform), which is present only in muscle tissues, and a related protein, which is present in all tissues. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 4 and 14. [provided by RefSeq, Oct 2009]

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Gene ID: 1347

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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

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## Handling

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Storage: -20 °C

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

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Expiry Date: 12 months