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## Datasheet for ABIN742095 **anti-COX7A2 antibody (AA 21-83)**

### Overview

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

### 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> )

## Target Details

Background:	<p>Synonyms: Mitochondrion. Cytochrome c oxidase subunit 7A2, mitochondrial, COX7a related 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.</p> <p>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]</p>
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Gene ID:	1347
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## Application Details

Application Notes:	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
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Restrictions:	For Research Use only
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## 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

# Handling

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
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months