



Datasheet for ABIN7264435 anti-COX7A2 antibody



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1 Image

Overview

Quantity:	200 µL
Target:	COX7A2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX7A2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein of human COX7A2 (NP_001856.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	COX7A2
Alternative Name:	COX7A2 (COX7A2 Products)
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

Target Details

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.

Molecular Weight:	Observed_MW: 11 kDa Calculated_MW: 9 kDa
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Gene ID:	1347
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UniProt:	P14406
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Application Details

Application Notes:	WB 1:500-1:2000
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 mg/mL
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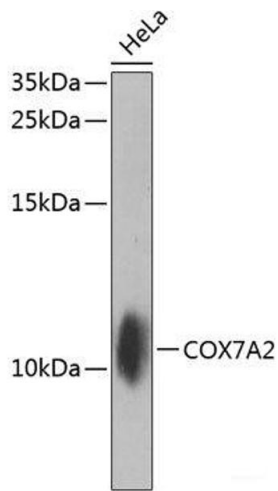
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

Image 1. Western blot analysis of extracts of HeLa cells using COX7A2 Polyclonal Antibody at dilution of 1:1000.