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Datasheet for ABIN2856584 anti-COX6A2 antibody (C-Term)

3 Images



Overview

Quantity:	100 µL
Target:	COX6A2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX6A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human COX6A2. The exact sequence is proprietary.
Isotype:	lgG
Cross-Reactivity:	Rat (Rattus), Rhesus Monkey
Cross-Reactivity (Details):	Rat (86 %), Rhesus Monkey (100 %)
Characteristics:	Rabbit Polyclonal antibody to COX6A2 (cytochrome c oxidase subunit VIa polypeptide 2) COX6A2 antibody [N3C3]
Purification:	Purified by antigen-affinity chromatography.

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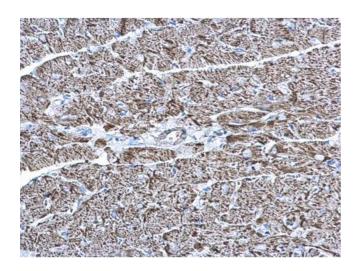
COX6A2 (COX6A2 Products)
Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain,
catalyzes the electron transfer from reduced cytochrome c to oxygen. It is a heteromeric
complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple
structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits function
in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and
assembly of the complex. This nuclear gene encodes polypeptide 2 (heart/muscle isoform) of
subunit VIa, and polypeptide 2 is present only in striated muscles. Polypeptide 1 (liver isoform)
of subunit VIa is encoded by a different gene, and is found in all non-muscle tissues. These two
polypeptides share 66 % amino acid sequence identity.
Cellular Localization: Mitochondrion inner membrane
11 kDa
1339
Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded
sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal
dilutions/concentrations should be determined by the researcher.Suggested
dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-
1:1000* Western blot1:500-1:3000*
Positive Control: Raji
For Research Use only
Liquid
0.9 mg/mL
0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Thimerosal (Merthiolate)
This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCI

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Handling

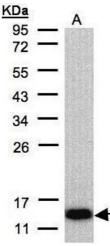
which should be handled by trained staff only.Storage:-20 °CStorage Comment:Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw
cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image COX6A2 antibody [N3C3] detects COX6A2 protein at mitochondria on mouse heart by immunohistochemical analysis. Sample: Paraffin-embedded mouse heart. COX6A2 antibody [N3C3], diluted at 1:500.



Western Blotting

Image 2. WB Image Sample(30 µg of whole cell lysate) A:Raji, 12% SDS PAGE antibody diluted at 1:500

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Immunofluorescence

Image 3. ICC/IF Image COX6A2 antibody [N3C3] detects COX6A2 protein at mitochondria by immunofluorescent analysis. Sample: SK-N-SH cells were fixed in 2% paraformaldehyde/culture medium at 37°C for 30 min. Green: COX6A2 protein stained by COX6A2 antibody [N3C3], diluted at 1:500. Blue: Hoechst 33342 staining.

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