

Datasheet for ABIN2856582
anti-COX6B1 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	COX6B1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX6B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human COX6B1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to COX6B1 (cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)) COX6B1 antibody [N2C3]
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	COX6B1
Alternative Name:	cytochrome c oxidase subunit 6B1 (COX6B1 Products)
Background:	<p>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 subunit VIb. Three pseudogenes COX6BP-1, COX6BP-2 and COX6BP-3 have been found on chromosomes 7, 17 and 22q13.1-13.2, respectively.</p> <p>Cellular Localization: Mitochondrion intermembrane space</p>
Molecular Weight:	10 kDa
Gene ID:	1340
UniProt:	P14854

Application Details

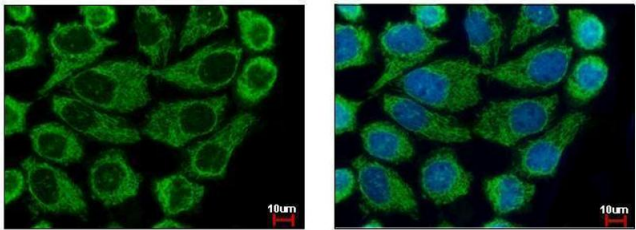
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

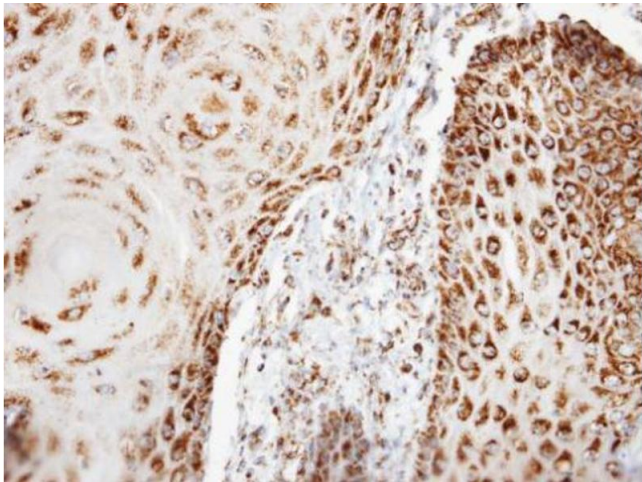
multiple freeze-thaw cycles.

Images



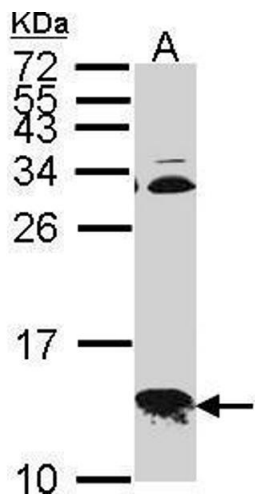
Immunofluorescence

Image 1. ICC/IF Image COX6B1 antibody [N2C3] detects COX6B1 protein at mitochondria by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: COX6B1 protein stained by COX6B1 antibody [N2C3] , diluted at 1:500. Blue: Hoechst 33342 staining.



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded BCC3 xenograft, using COX6B1, antibody at 1:100 dilution.



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A: Hep G2 , 15% SDS PAGE COX6B1 antibody antibody diluted at 1:1000