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Datasheet for ABIN2855063  
**anti-COX5A antibody (Center)**

6 Images

Overview

Quantity:	100 µL
Target:	COX5A
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX5A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human COX5A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Monkey, Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Monkey (97 %), Rat (93 %), Bovine (93 %)
Characteristics:	Rabbit Polyclonal antibody to COX5A (cytochrome c oxidase subunit Va) COX5A antibody [N1C3]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

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Target:	COX5A
Alternative Name:	COX5A ( <a href="#">COX5A Products</a> )
Background:	<p>Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer of proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit Va of the human mitochondrial respiratory chain enzyme. A pseudogene COX5AP1 has been found in chromosome 14q22.</p> <p>Cellular Localization: Mitochondrion inner membrane</p>
Molecular Weight:	17 kDa
Gene ID:	9377
Pathways:	<a href="#">Proton Transport</a>

## Application Details

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Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:1000-1:10000* Not tested in other applications.</p> <p>*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 blot1:1000-1:10000*</p>
Comment:	Positive Control: 293T , A431 , H1299 , HeLaS3 , HepG2 , Molt-4 , Raji , mouse brain
Restrictions:	For Research Use only

## Handling

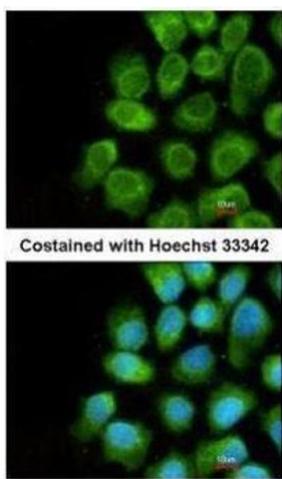
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)

## Handling

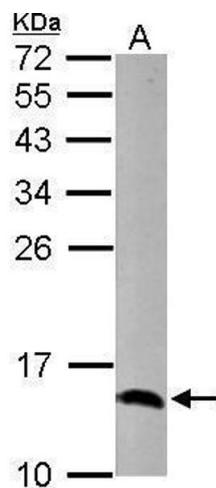
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



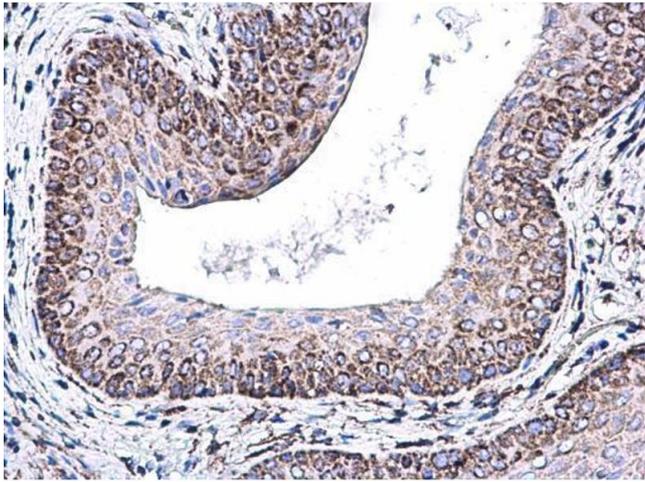
### Immunofluorescence

**Image 1.** ICC/IF Image Immunofluorescence analysis of methanol-fixed A431, using COX5A, antibody at 1:200 dilution.



### Western Blotting

**Image 2.** WB Image Sample (50 ug of whole cell lysate) A: mouse brain 15% SDS PAGE antibody diluted at 1:1000



### Immunohistochemistry

**Image 3.** IHC-P Image COX5A antibody [N1C3] detects COX5A protein at mitochondria on mouse cervix by immunohistochemical analysis. Sample: Paraffin-embedded mouse cervix. COX5A antibody [N1C3] , diluted at 1:500.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2855063.