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# Datasheet for ABIN2855062 anti-COX5B antibody (Center)

2 Images



#### Overview

Quantity:	100 µL
Target:	COX5B
Binding Specificity:	Center
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX5B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human COX5B. The exact sequence is proprietary.	
Isotype:	lgG	
Cross-Reactivity:	Mouse (Murine), Dog (Canine), Pig (Porcine), Rat (Rattus), Cow (Bovine)	
Cross-Reactivity (Details):	Mouse (85 %), Dog (83 %), Pig (83 %), Rat (82 %), Bovine (84 %)	
Characteristics:	Rabbit Polyclonal antibody to COX5B (cytochrome c oxidase subunit Vb) COX5B antibody [N1C3]	
Purification:	Affinity purified by Protein A.	

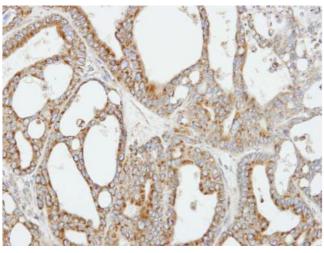
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### Target Details

Target:	COX5B
Alternative Name:	COX5B (COX5B Products)
Background:	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 and 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 Vb of the human mitochondrial respiratory chain enzyme.
Molecular Weight:	14 kDa
Gene ID:	1329
Application Details	
Application Notes:	Suggested dilution Reference 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 dilutionReferenceIHC (Formalin-fixed
	paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: HepG2
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.00 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
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:	-20 °C
Storage Comment:	Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw

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#### Images



# KDa A 75----46---30---27---16---11---

#### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded H441 xenograft, using COX5B, antibody at 1:100 dilution.

Western Blotting				
Image 2. WB Image Sample(	30 µg of whole cell lysate)			
A:Hep G2, 15% SDS PAGE antibody diluted at 1:1000				

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