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Datasheet for ABIN7239836 anti-COX11 antibody

2 Images



### Overview

Quantity:	200 µL
Target:	COX11
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX11 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant protein of human COX11
lsotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	COX11
Alternative Name:	COX11 (COX11 Products)
Background:	Cytochrome c oxidase (COX), 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 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. The mitochondrially-encoded subunits

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	function in electron transfer, and the nuclear-encoded subunits may function in the regulation
	and assembly of the complex. This nuclear gene encodes a protein which is not a structural
	subunit, but may be a heme A biosynthetic enzyme involved in COX formation, according to the
	yeast mutant studies. However, the studies in Rhodobacter sphaeroides suggest that this gene
	is not required for heme A biosynthesis, but required for stable formation of the $Cu(B)$ and
	magnesium centers of COX. This human protein is predicted to contain a transmembrane
	domain localized in the mitochondrial inner membrane. Multiple transcript variants encoding
	different isoforms have been found for this gene. A related pseudogene has been found on
	chromosome 6.
Molecular Weight:	31 kDa
UniProt:	Q9Y6N1
Pathways:	Regulation of Carbohydrate Metabolic Process
Application Details	
Application Details Application Notes:	WB 1:1000-1:5000, IHC 1:25-1:100
Application Details Application Notes: Restrictions:	WB 1:1000-1:5000, IHC 1:25-1:100 For Research Use only
Application Details Application Notes: Restrictions: Handling	WB 1:1000-1:5000, IHC 1:25-1:100 For Research Use only
Application Details Application Notes: Restrictions: Handling Format:	WB 1:1000-1:5000, IHC 1:25-1:100 For Research Use only Liquid
Application Details Application Notes: Restrictions: Handling Format: Concentration:	WB 1:1000-1:5000, IHC 1:25-1:100 For Research Use only Liquid 0.5 mg/mL
Application Details Application Notes: Restrictions: Handling Format: Concentration: Buffer:	WB 1:1000-1:5000, IHC 1:25-1:100 For Research Use only Liquid 0.5 mg/mL PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4
Application Details Application Notes: Restrictions: Handling Format: Concentration: Buffer: Preservative:	WB 1:1000-1:5000, IHC 1:25-1:100         For Research Use only         Liquid         0.5 mg/mL         PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4         Sodium azide

	should be handled by trained staff only.
Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human stomach cancer using COX11 Polyclonal Antibody at dilution of 1:30



#### Western Blotting

**Image 2.** Western Blot analysis of Mouse brain tissue using COX11 Polyclonal Antibody at dilution of 1:600

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