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Datasheet for ABIN7239620 anti-COX10 antibody

Image



Overview

Quantity:	200 µL
Target:	COX10
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COX10 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of human COX10
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

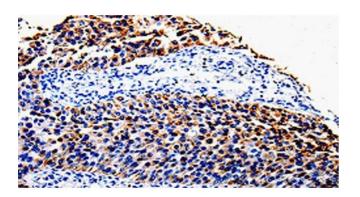
Target Details

Target:	COX10
Alternative Name:	COX10 (COX10 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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and assembly of the complex. This nuclear gene encodes herne Afarnesyltransferase, which not a structural subunit but required for the expression of functional COX and functions in th maturation of the herne A prosthetic group of COX. This protein is predicted to contain 7-9 transmembrane domains localized in the mitochondrial inner membrane. A gene mutation, which results in the substitution of a lysine for an asparagine (N2O4K), is identified to be responsible for cytochrome c oxidase deficiency. In addition, this gene is disrupted in patier with CMT1A (Charcot-Marie-Tooth type 1A) duplication and with HNPP (hereditary neuropa with liability to pressure palsies) deletion. UniProt: 012887 Application Details Application Notes: IHC 1:50-1:200 Restrictions: For Research Use only Handling Iiquid Concentration: 0.4 mg/mL Buffer: PBS with 0.05 % sodium azide and 50 % glycerol, PH7.4 Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
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Storage: -20 °C	Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
		should be handled by trained staff only.
	Storage:	-20 °C
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.	Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human renal cancer tissue using COX10 Polyclonal Antibody at dilution 1:100

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