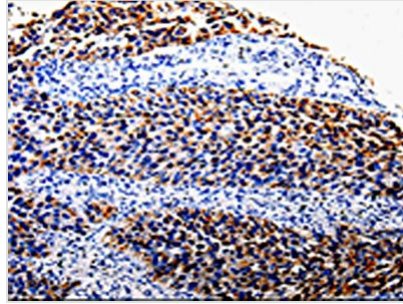




# COX10 Antibody

<b>Product Code</b>	CSB-PA257877
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q12887
<b>Immunogen</b>	Fusion protein of Human COX10
<b>Raised In</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA,IHC;ELISA:1:500-1:2000,IHC:1:50-1:200
<b>Relevance</b>	<p>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 function in electron transfer, and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes heme A:farnesyltransferase, which is not a structural subunit but required for the expression of functional COX and functions in the maturation of the heme 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 (N204K), is identified to be responsible for cytochrome c oxidase deficiency. In addition, this gene is disrupted in patients with CMT1A (Charcot-Marie-Tooth type 1A) duplication and with HNPP (hereditary neuropathy with liability to pressure palsies) deletion.</p>
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
<b>Purification Method</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Alias</b>	COX10 homolog, cytochrome c oxidase assembly protein, heme A:farnesyltransferase
<b>Species</b>	Homo sapiens (Human)
<b>Target Names</b>	COX10
<b>Image</b>	



The image is immunohistochemistry of paraffin-embedded Human renal cancer tissue using CSB-PA257877(COX10 Antibody) at dilution 1/100. (Original magnification: 200)