

For Research Use Only

COX10 Polyclonal antibody

Catalog Number: 10611-2-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 10611-2-AP	GenBank Accession Number: BC006394	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop;	GeneID (NCBI): 1352	Recommended Dilutions: WB 1:200-1:1000
Source: Rabbit	Full Name: COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)	
IsoType: IgG	Calculated MW: 51 kDa	
Immunogen Catalog Number: AG0930	Observed MW: 51 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, mouse colon tissue, rat colon tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

Background Information

Cytochrome c oxidase (COX) is the terminal enzyme in the electron transfer chain located in the mitochondrial inner membrane. It catalyzes the electron transfer from reduced cytochrome c to oxygen. COX10 is predicted to contain 7-9 transmembrane domains, and it 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 required for the expression of functional COX and functions in the maturation of the heme A prosthetic group of COX. In addition, COX10 may play a certain role in the development and progression of azoospermia.

Notable Publications

Author	Pubmed ID	Journal	Application
Kuan Zhang	36433959	Nat Commun	WB
Wenlu Fan	31685661	J Biol Chem	WB
Qing Zhang	35594990	Free Radic Biol Med	WB

Storage

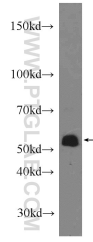
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 10611-2-AP (COX10 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.