

For Research Use Only

COX10 Polyclonal antibody

Catalog Number: 10611-2-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

10611-2-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0930

GenBank Accession Number:

BC006394

GeneID (NCBI):

1352

UNIPROT ID:

Q12887

Full Name:

COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)

Calculated MW:

51 kDa

Observed MW:

51 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: A549 cells,

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

For technical support and original validation data for this product please contact:

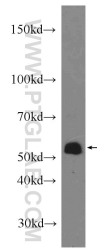
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.