

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

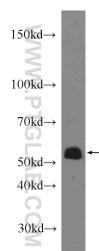
For technical support and original validation data for this product please contact:

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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.