

COX10 Polyclonal Antibody

Catalog number: 10611-2-AP

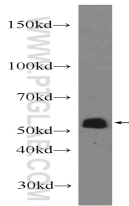
Size: 50 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

COX10; COX10, Heme O
synthase



A549 cells were subjected to SDS PAGE followed by western blot with 10611-2-AP(COX10 antibody) at dilution of 1:300

Background

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.

Applications

Tested applications:	ELISA, WB
Cited applications:	WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Human
Calculated COX10 MW:	51 kDa
Observed COX10 MW:	51 kDa
Positive WB detected in	A549 cells, mouse colon tissue, rat colon tissue
Recommended dilution:	WB: 1:200-1:1000

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0930
GenBank accession number:	BC006394
Gene ID (NCBI):	1352
Full name:	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.