

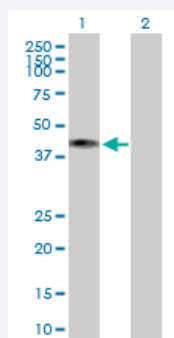
MaxPab®

COX10 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001352-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of COX10 expression in transfected 293T cell line ([H00001352-T01](#)) by COX10 MaxPab polyclonal antibody.

Lane 1: COX10 transfected lysate(48.73 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human COX10 protein.

Immunogen

COX10 (AAH06394, 1 a.a. ~ 443 a.a) full-length human protein.

Sequence

MAASPHLTSSRLLTGCVGGSVWYLERRTIQDSPHKFLHLLRNVNKQWTFQHFSLKRMVYVTLN
RSHNQVVRPKPEPVASPFLEKTSSGQAKAEIEMRPLSPPSLSLSRKPNEKELIELEPDSVIEDSI
DVGKETKEEKRWKEMKLQVYDLPGLAQLSKIKLTA LVVSTTAAGFALAPGPFDPWPCFLLTSVGT
GLASCAANSINQFFEVPFDSNMNRTKNRPLVRGQISPLLAVSFATCCAVPGVAILTLGVNPLTGAL
GLFNIFLYTCCYTPLKRISANTWVGAVVGAIPPVMGWTAATGSLDAGAFLLGGILYSWQFPHFNAL
SWGLREDYSRGGYCMMSVTHPGLCRRVALRHCLALLVLSAAAPVLDITTWTFPIMALPINAYISYLG
FRFYVDADRRSSRRLFFCSLWHLPLLLLLMLTCKRPSGGGDAGPPPS

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — COX10

Entrez GeneID	1352
GeneBank Accession#	BC006394
Protein Accession#	AAH06394
Gene Name	COX10
Gene Alias	-
Gene Description	COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast)
Omim ID	602125
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	cytochrome c oxidase assembly protein cytochrome c oxidase subunit X heme A: farnesyltransferase heme A:farnesyltransferase

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Alzheimer Disease](#)
- [Neuropsychological Tests](#)