

DNAxPAb

Hard-to-Find
Antibody

COX4I2 DNAxPab

Catalog # H00084701-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human COX4I2 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLPRAAWSLVLRKGGGGRRGMHSSEGTTTRGGGKMSPYTNCYAQRYYPMPPEEPFCTELNAEEQ ALKEKEKGSWTQLTHAEKVALYRLQFNETFAEMNRRSNEWKTVMGCVFFFIGFAALVMWQRVY VFPPKPITLTDERKAQQLQRMLDMKVNVPVQGLASRWDYEKKQWKK
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — COX4I2

Entrez GeneID [84701](#)

GeneBank Accession# [NM_032609.2](#)

Protein Accession# [NP_115998.2](#)

Gene Name COX4I2

Gene Alias COX4, COX4-2, COX4B, COX4L2, COXIV-2, dJ857M17.2

Gene Description cytochrome c oxidase subunit IV isoform 2 (lung)

Omim ID [607976](#)

Gene Ontology [Hyperlink](#)

Gene Summary Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. 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 be involved in the regulation and assembly of the complex. This nuclear gene encodes isoform 2 of subunit IV. Isoform 1 of subunit IV is encoded by a different gene, however, the two genes show a similar structural organization. Subunit IV is the largest nuclear encoded subunit which plays a pivotal role in COX regulation. [provided by RefSeq]

Other Designations OTTHUMP00000030533|cytochrome c oxidase subunit IV isoform 2|cytochrome c oxidase subunit IV-like 2

Pathway

- [Cardiac muscle contraction](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)