

DNAxPAb

Hard-to-Find
Antibody

COX4I1 DNAxPab

Catalog # H00001327-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human COX4I1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MLATRVFSLVGKRAISTSVCVRAHESVVKSEDFSLPAYMDRRDHPLPEVAHVKHLSASQKALKE KEKASWSSLSMDEKVELYRIKFKE\$FAEMNRGSNEWKTVVGGAMFFIGFTALVIMWQKHVYVGP LPQSFDKEWVAKQTKRMLDMKVNPIQGLASKWDYEKNEWKK
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 — COX4I1

Entrez GeneID [1327](#)**GeneBank Accession#** [NM_001861.2](#)**Protein Accession#** [NP_001852.1](#)**Gene Name** COX4I1**Gene Alias** COX4, COXIV, MGC72016**Gene Description** cytochrome c oxidase subunit IV isoform 1**Omim ID** [123864](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

Cytochrome c oxidase (COX) is the terminal enzyme of the mitochondrial respiratory chain. It is a multi-subunit enzyme complex that couples the transfer of electrons from cytochrome c to molecular oxygen and contributes to a proton electrochemical gradient across the inner mitochondrial membrane. The complex consists of 13 mitochondrial- and nuclear-encoded subunits. The mitochondrially-encoded subunits perform the electron transfer and proton pumping activities. The functions of the nuclear-encoded subunits are unknown but they may play a role in the regulation and assembly of the complex. This gene encodes the nuclear-encoded subunit IV isoform 1 of the human mitochondrial respiratory chain enzyme. It is located at the 3' of the NOC4 (neighbor of COX4) gene in a head-to-head orientation, and shares a promoter with it. [provided by RefSeq]

Other Designations -

Pathway

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