

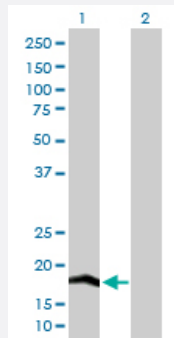
MaxPab®

COX4I2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00084701-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of COX4I2 expression in transfected 293T cell line ([H00084701-T02](#)) by COX4I2 MaxPab polyclonal antibody.

Lane 1: COX4I2 transfected lysate(20.00 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human COX4I2 protein.
Immunogen	COX4I2 (NP_115998.2, 1 a.a. ~ 171 a.a) full-length human protein.
Sequence	MLPRAAWSLVLRKGGGGRRGMHSSEGTTGGGKMSPYTNCYAQRYYPMPPEEPFCTELNAEEQ ALKEKEKGSWTQLTHAEKVALYRLQFNETFAEMNRRSNEWKTVMGCVFFFIGFAALVMWQRVY VFPPKPITLTDERKAQQLQRMLDMKVNVPVQGLASRWDYEKKQWKK
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (71)
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

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[Protocol Download](#)

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](#)