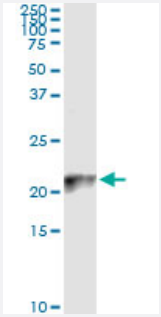
COX4I2 (Human) IP-WB Antibody Pair

Catalog # H00084701-PW1 Size 1 Set

Applications



Immunoprecipitation of COX4I2 transfected lysate using mouse monoclonal anti-COX4I2 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-COX4I2.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (70)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of COX4I2 transfected lysate using mouse monoclonal anti-COX4I2 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-COX4I2.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-COX4I2 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-COX4I2 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

  Protocol Download

Gene Info — COX4I2

Entrez GeneID	84701
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