

Recombinant

DGRmAb®

COX IV (DGR11126) Rabbit mAb

db11070

Package : 10µL 20µL 100µL 500µL 1mL

Product Name : COX IV (DGR11126) Rabbit mAb**Cat.No.:** db11070**Synonyms :** COX4; COXIV; COX4-1; COXIV-1; COX IV-1**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

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. Pseudogenes related to this gene are located on chromosomes 13 and 14. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Immunogen

A synthetic peptide of human COX IV

Gene ID

1327

Swiss Prot

P13073

Synonyms

COX4; COXIV; COX4-1; COXIV-1; COX IV-1

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000

IHC-P: 1:200-1:500

ICC/IF: 1:500-1:1000

FC: 1:20

IP: 1:20

Calculated MW

20 kDa

Observed MW	17 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11126
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.