



## COX IV Rabbit pAb

Package: 20µL 50µL 100µL db15

Product Name: COX IV Rabbit pAb

Cat.No.: db15

Synonyms: COX4; COXIV; COX4-1; COXIV-1; COX IV-1

Application: WB, IHC, ICC/IF, FC 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

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Reactivity Human, Mouse, Rat

**Application** WB, IHC, ICC/IF, FC

Recommended dilution WB: 1:1000

IHC: 1:20-1:500

ICC/IF: 1:200

FC: 1:20 IP: 1:30

20 kDa

Calculated MW

**Observed MW** 17 kDa



## For Research Use Only **Product Datasheet**

Host species Rabbit

**Clonality** Polyclonal

**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.