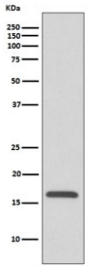
COX IV Antibody / COX4I1 [clone AIC-3] (RQ5400)

Catalog No.	Formulation	Size
RQ5400	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AIC-3
Purity	Affinity purified
UniProt	P13073
Applications	Western blot: 1:1000-1:2000
Limitations	This COX IV antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with COX IV antibody. Predicted molecular weight ~20 kDa.

Description

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. [RefSeq]

Application Notes

Optimal dilution of the COX IV antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human COX IV / COX4I1 was used as the immunogen for the COX IV antibody.

Storage

Store the COX IV antibody at -20oC.

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