BT LAB
Bioassay Technology Laboratory
Optimize Your Research

COX4I2 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0381
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant human COX4I2 (C-terminus) protein fragments expressed in E.coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, FCM, IF, ICC
Concentration	1 mg/ml
Full name	Cytochrome c oxidase subunit 4 isoform 2 mitochondrial
Synonyms	COX4I2; COX4L2; Cytochrome c oxidase subunit 4 isoform 2; mitochondrial; Cytochrome c oxidase subunit IV isoform 2; COX IV-2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

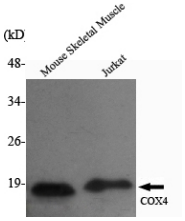
FC: 1:100 - 1:200

IF: 1:100 - 1:500

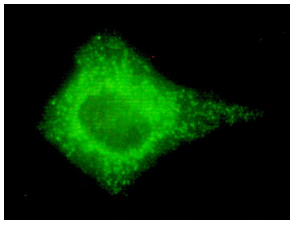
WB: 1:1000 - 1:2000

Not yet tested in other applications.

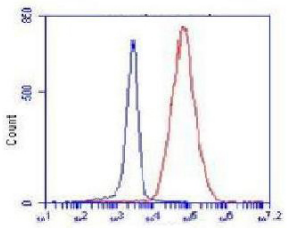
Images



Western Blot analysis using COX4I2 Monoclonal antibody against mouse skeletal muscel, Jurkat cell lysate.



Immunofluorescence analysis of HeLa cells using COX4I2 Monoclonal antibody.



Flow cytometric analysis of K562 cells stained with COX4I2 Monoclonal antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com