

COX4I2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02158
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human COX42. AA range:31-80
Mol wt	20010
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	COX4I2 Antibody
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

WB: 1: 500 - 1: 2000

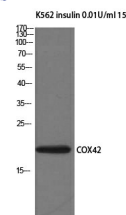
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

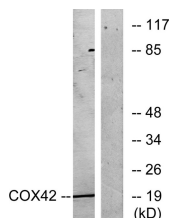
ELISA: 1: 10000

Not yet tested in other applications.

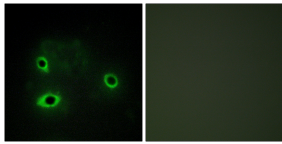
Images



Western Blot analysis of K562 insulin 0.01U/ml 15' cells using COX4I2 Polyclonal Antibody



Western blot analysis of lysates from K562 cells, treated with insulin 0.01U/ml 15', using COX42 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of COS7 cells, using COX42 Antibody. The picture on the right is blocked with the synthesized peptide.

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