

COX4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15077
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of COX4
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF
Concentration	N/A
Full name	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial
Synonyms	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial; COX4I1; COX4; Cytochrome c oxidase subunit 4 isoform 1, mitochondrial; Cytochrome c oxidase polypeptide IV; Cytochrome c oxidase subunit IV isoform 1; COX IV-1

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

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

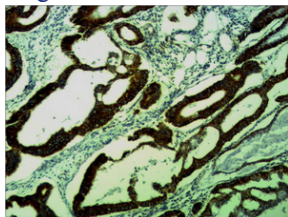
Recommended Dilution

WB: 1: 1000

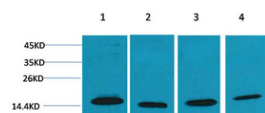
IHC: 1: 500 - 1000

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded human Colon carcinoma using COX4 Polyclonal Antibody.



Western blot analysis of 1) Hela, 2) 3T3, 3) Mouse Brain, 4) Rat Brain using COX4 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year

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

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