BT LAB
Bioassay Technology Laboratory

Optimize Your Research

CX6A1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15124
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 1-80
Mol wt	N/A
Species reactivity	Human, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Cytochrome c oxidase subunit 6A1, mitochondrial
Synonyms	Cytochrome c oxidase subunit 6A1, mitochondrial ;Cytochrome c oxidase polypeptide VIa-liver;Cytochrome c oxidase subunit VIA-liver;COX VIa-L

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 the electron transfer and the nuclear-encoded subunits may function in the regulation and assembly of the complex. This nuclear gene encodes polypeptide 1 (liver isoform) of subunit VIa, and polypeptide 1 is found in all non-muscle tissues. Polypeptide 2 (heart/muscle isoform) of subunit VIa is encoded by a different gene, and is present only in striated muscles. These two polypeptides share 66% amino acid sequence identity. It has been reported that there may be several pseudogenes on chromosomes 1, 6, 7q21, 7q31-32 and 12. Howeve

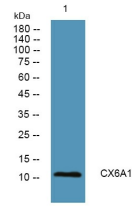
Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°C overnight

Storage

-20°C for 1 year

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