

## COX5b Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02160
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human COX5B. AA range:11-60
<b>Mol wt</b>	13696
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	COX5b Antibody
<b>Synonyms</b>	COX5B; Cytochrome c oxidase subunit 5B; mitochondrial; Cytochrome c oxidase polypeptide Vb

**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. COX5B encodes the nuclear-encoded subunit Vb of the human mitochondrial respiratory chain enzyme.

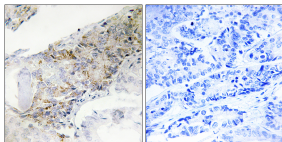
### Recommended Dilution

IHC: 1: 100 - 1: 300

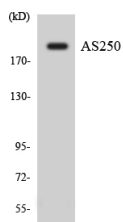
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using COX5B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using AS250 antibody.

## Storage

-20°C for one year

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