

## Anti-COX6B2 antibody

<b>Cat. No.</b>	ml220472
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-COX6B2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human COX6B2
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.5 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	COX6B2
<b>Full name</b>	cytochrome c oxidase subunit VIb polypeptide 2 (testis)

**Synonyms** CT59, COXVIB2

**Swissprot** Q6YFQ2

### Target Background

Cytochrome c oxidase is the terminal enzyme of the electron transfer chain in aerobic bacteria as well as in the mitochondria of plants and animals. Bacterial cytochrome c oxidases are composed of three different subunits and include two hemes a and two copper atoms as prosthetic groups. The enzyme from eukaryotes is more complex and includes three subunits encoded on mitochondrial DNA, which are the homologues of the subunits of the bacterial enzyme, and in addition contains a number of subunits encoded in the nucleus. It is generally agreed that the mitochondrially coded subunits with their associated prosthetic groups are the functional core of the enzyme. The role of the nuclear coded

subunits in cytochrome c oxidase function remains a matter of conjecture. cytochrome c oxidase subunit VIb polypeptide 2 Connects the two COX monomers into the physiological dimeric form.

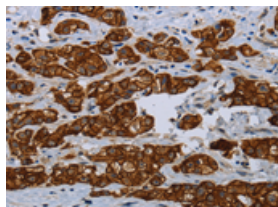
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human breast cancer

Recommended dilution: 50-200

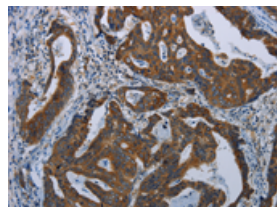


The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml220472(COX6B2 Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human gastric cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml220472(COX6B2 Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 11 kDa

Positive control: A549 cells

Recommended dilution: 500-2000

Gel: 10%SDS-PAGE

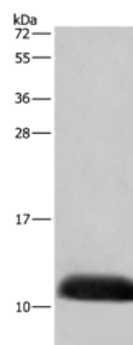
Lysate: 40  $\mu$ g

Lane: A549 cells

Primary antibody: ml220472(COX6B2 Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



#### ELISA

Recommended dilution: 2000-5000

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