

Anti-COX5B antibody

Cat. No.	ml220112
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-COX5B rabbit polyclonal antibody
Applications	ELISA, WB
Immunogen	Fusion protein of human COX5B
Reactivity	Human, Mouse, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	COX5B
Full name	cytochrome c oxidase subunit Vb
Synonyms	COXVB
Swissprot	P10606

Target 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 Vb of the human mitochondrial respiratory chain enzyme.

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Applications

Western blotting

Predicted band size: 14 kDa

Positive control: Mouse heart and human liver cancer tissue

Recommended dilution: 200-1000

Gel: 10+12% SDS-PAGE

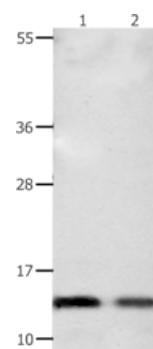
Lysate: 40 µg

Lane 1-2: Mouse heart tissue, human liver cancer tissue

Primary antibody: ml220112(COX5B Antibody) at dilution 1/350

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

Exposure time: 40 seconds



ELISA

Recommended dilution: 1000-5000

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