

Recombinant COX5B Monoclonal Antibody

catalog number: **AN300094P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

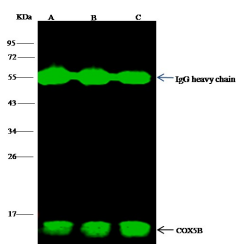
Reactivity	Human
Immunogen	Recombinant Human COX5B Protein
Host	Rabbit
Isotype	IgG
Clone	A1208
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB	1:500-1:2000
IP	1-4 µL/mg of lysate

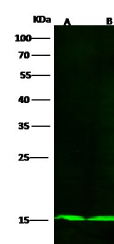
Data



Immunoprecipitation analysis using 2 µL anti-COX5B Monoclonal Antibody and 15 µl of 50 % Protein G agarose.

Western blot was performed from the immunoprecipitate using COX5B Monoclonal Antibody at a dilution of 1:100. Lane A: 0.5 mg A549 Whole Cell Lysate, Lane B: 0.5 mg HeLa Whole Cell Lysate, Lane C: 0.5 mg HepG2 Whole Cell Lysate

Observed-MW: 14 kDa
Calculated-MW: 14 kDa



Western Blot with COX5B Monoclonal Antibody at dilution of 1:500. Lane A: HepG2 Whole Cell Lysate, Lane B: A549 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 14 kDa
Calculated-MW: 14 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

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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