

## Anti-COX5B Antibody (8J187)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8J187
Purification:	Protein A

### Applications

Anti-COX5B rabbit monoclonal antibody at 1:500 dilution.

-Lane A: HepG2 Whole Cell Lysate.

-Lane B: A549 Whole Cell lysate.

-Lysates/proteins at 30 µg per lane.

-Secondary

Verified Activity:

-Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.

-Developed using the Odyssey technique.

-Performed under reducing conditions.

-Predicted band size:14 kDa.

-Observed band size:15 kDa

Application: ELISA,WB

Recommended WB: 1:500-1:2000; ELISA: 1:5000-1:10000

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human COX5B Protein (TMPY-03511)

Antigen Species: Human

Synonyms: COXVB;cytochrome c oxidase subunit Vb

### Research 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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