

Anti-COX5B Antibody (3I109)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3I109
Purification:	Protein A

Applications

	<p>1. Anti-COX5B rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: HepG2 Whole Cell Lysate.-Lane B: A549 Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary-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.
Verified Activity:	<p>2. COX5B was immunoprecipitated using:</p> <ul style="list-style-type: none">-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.-2 µL anti-COX5B rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.-Primary antibody:-Anti-COX5B rabbit monoclonal antibody, at 1:100 dilution.-Secondary antibody:-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 14 kDa.-Observed band size: 14 kDa
Application:	ELISA,IP,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000; IP: 1-4 µL/mg of lysate

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: cytochrome c oxidase subunit Vb;COXVB

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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