

## Anti-Cytochrome B Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Pig)
Molecular Weight:	Theoretical: 43 kDa. Actual: 43 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Sample: Hela (Human) Cell Lysate at 30 µg Primary: Anti-Cytochrome B (TMAB-04921) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kD Observed band size: 43 kD</p> <p>2. U-937 cells were fixed with 4% PFA for 10 min at room temperature, permeabilized with 90% ice-cold methanol for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with Cytochrome B antibody (TMAB-04921) at 1:100 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2%BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).</p> <p>3. 25 µg total protein per lane of various lysates (see on figure) probed with Cytochrome B polyclonal antibody, unconjugated (TMAB-04921) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

### 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.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Cytochrome B
Antigen Species:	Human
Gene ID:	4519
Uniprot ID:	P00156

### Research Background

Cytochrome b belongs to the cytochrome b family. It is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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