Overview

Product name  Anti-COX5B antibody [16H12H9]
Description  Mouse monoclonal [16H12H9] to COX5B
Host species  Mouse
Tested applications  Suitable for: Flow Cyt, WB
Species reactivity  Reacts with: Mouse, Rat, Cow, Human
Immunogen  Tissue, cells or virus. This information is considered to be commercially sensitive.
Positive control  Isolated mitochondria from Human heart, Bovine heart, Rat heart, and Mouse heart
General notes  This antibody clone is manufactured by Abcam.

Product was previously marketed under the MitoSciences sub-brand.

If you require this antibody in a particular buffer formulation or a particular conjugate for your experiments, please contact orders@abcam.com or you can find further information here.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer  Preservative: 0.02% Sodium azide
Constituent: HEPES buffered saline
Purification notes  ab110263 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
Clonality  Monoclonal
Clone number  16H12H9
Isotype  IgG2b
Light chain type  kappa

Applications

Our Abpromise guarantee covers the use of ab110263 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**

This protein is one of the nuclear-coded polypeptide chains of cytochrome c oxidase, the terminal oxidase in mitochondrial electron transport.

**Sequence similarities**

Belongs to the cytochrome c oxidase subunit 5B family.

**Cellular localization**

Mitochondrion inner membrane.

### Images

**Western blot - Anti-COX5B antibody [16H12H9] (ab110263)**

**All lanes:** Anti-COX5B antibody [16H12H9] (ab110263) at 1 µg/ml

**Lane 1:** Human heart mitochondria at 5 µg

**Lane 2:** Bovine heart mitochondria at 1 µg

**Lane 3:** Rat heart mitochondria at 10 µg

**Lane 4:** Mouse heart mitochondria at 10 µg

**Predicted band size:** 14 kDa

**Overlay histogram showing HepG2 cells stained with ab110263 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab110263, 1µg/1x10^6 cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (ab91366, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HepG2 cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.**
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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