

Product datasheet

Anti-COX6A2 antibody [4H2A5] ab110264

1 Image

Overview

Product name	Anti-COX6A2 antibody [4H2A5]
Description	Mouse monoclonal [4H2A5] to COX6A2
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Cow
Immunogen	Full length native protein (purified). This information is considered to be commercially sensitive.
Positive control	Isolated mitochondria from bovine heart
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> <p>Product was previously marketed under the MitoSciences sub-brand.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	<p>pH: 7.5</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: HEPES buffered saline</p>
Purity	IgG fraction
Purification notes	Near homogeneity as judged by SDS-PAGE. ab110264 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
Clonality	Monoclonal

Clone number	4H2A5
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110264 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

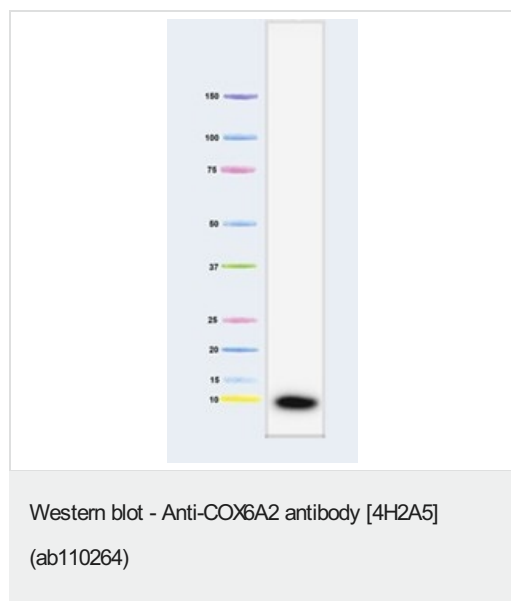
Application	Abreviews	Notes
WB		Use a concentration of 25 µg/ml. Predicted molecular weight: 11 kDa.

Target

Relevance Cytochrome c oxidase (COX), the terminal enzyme of the mitochondrial respiratory chain, catalyzes the electron transfer from reduced cytochrome c to oxygen. COX is a heteromeric complex consisting of 3 catalytic subunits encoded by mitochondrial genes and multiple structural subunits encoded by nuclear genes. COX6A2 is polypeptide 2 of subunit VIa, and is present only in striated muscles. The mitochondrially-encoded subunits function in electron transfer, and the nuclear-encoded subunits may be involved in the regulation and assembly of the complex.

Cellular localization Mitochondrion inner membrane

Images



Anti-COX6A2 antibody [4H2A5] (ab110264) at 25 µg/ml + Isolated mitochondria from bovine heart at 1 µg

Predicted band size: 11 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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