

Product datasheet

Anti-Quinone oxidoreductase antibody [2A9DD1] ab110310

[2 Images](#)

Overview

Product name	Anti-Quinone oxidoreductase antibody [2A9DD1]
Description	Mouse monoclonal [2A9DD1] to Quinone oxidoreductase
Host species	Mouse
Tested applications	Suitable for: ICC/IF, IP
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus. This information is considered to be commercially sensitive.
Positive control	HeLa cells; Human liver and HepG2 lysates.
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	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
Purification notes	ab110310 was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity: >95% by SDS-PAGE.
Clonality	Monoclonal

Clone number	2A9DD1
Isotype	IgG2a
Light chain type	kappa

Applications

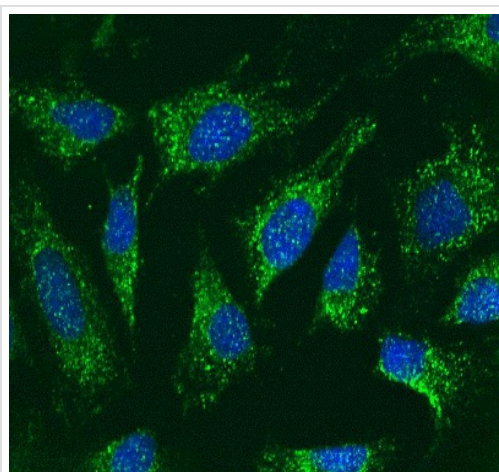
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab110310 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 2 µg/ml. For 2 hours.
IP		Use at an assay dependent concentration.

Target

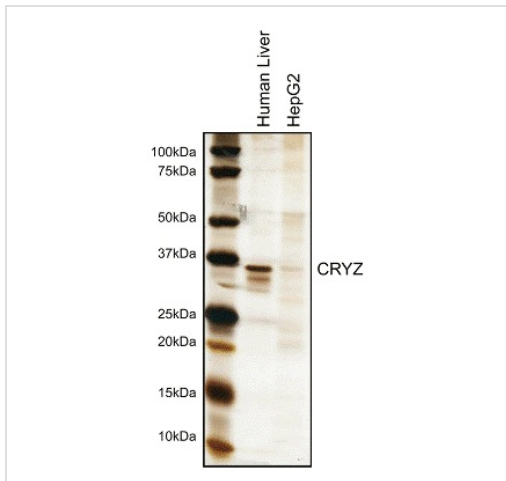
Function	Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones, such as 1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the detoxification of xenobiotics. Interacts with (AU)-rich elements (ARE) in the 3'-UTR of target mRNA species. Enhances the stability of mRNA coding for BCL2. NADPH binding interferes with mRNA binding.
Tissue specificity	Only very low amounts in the lens.
Sequence similarities	Belongs to the zinc-containing alcohol dehydrogenase family. Quinone oxidoreductase subfamily.
Cellular localization	Cytoplasm.

Images



Immunocytochemistry analysis using ab110310 at 2µg/ml staining Quinone oxidoreductase in HELa cells (4% paraformaldehyde fixed and 0.1% Triton X-100 permeabilized) followed by Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour (green).

Immunocytochemistry/ Immunofluorescence - Anti-Quinone oxidoreductase antibody [2A9DD1] (ab110310)



Immunoprecipitation - Anti-Quinone oxidoreductase antibody [2A9DD1] (ab110310)

Using MitoSciences' standard immunoprecipitation protocol, ab110310 precipitates the 35kDa Quinone oxidoreductase protein from human liver and HepG2 lysate. Identity of this protein was confirmed by mass spectrometry. This gel was stained with silver nitrate.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors