

Product datasheet

Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free ab249145

Recombinant RabMAb

8 Images

Overview

Product name	Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR10843(B)] to Quinone oxidoreductase - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab249145 is the carrier-free version of ab154842.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10843(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab249145 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

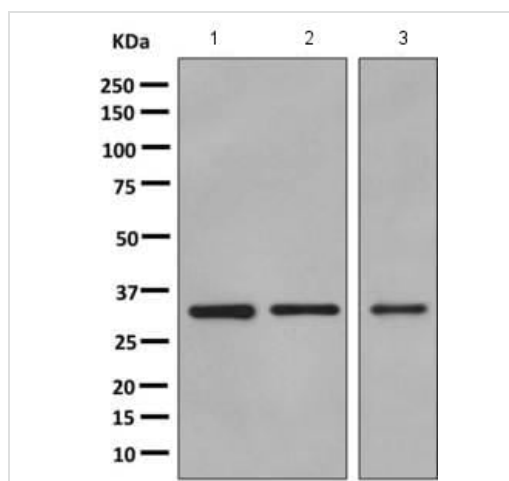
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 35 kDa.

Application notes Is unsuitable for Flow Cyt.

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



Western blot - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

All lanes : Anti-Quinone oxidoreductase antibody [EPR10843(B)] ([ab154842](#)) at 1/1000 dilution

Lane 1 : Human fetal liver lysate

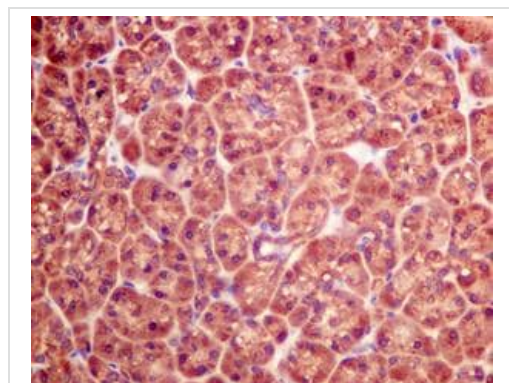
Lane 2 : HepG2 cell lysate

Lane 3 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 35 kDa

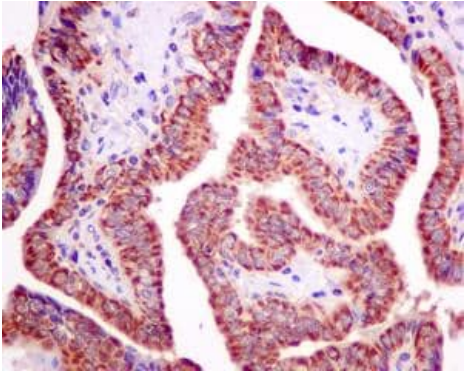
This data was developed using [ab154842](#), the same antibody clone in a different buffer formulation.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

This data was developed using [ab154842](#), the same antibody clone in a different buffer formulation.

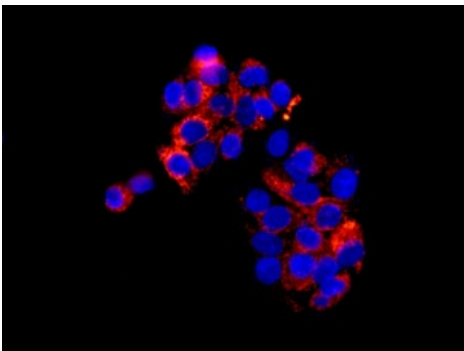
Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human pancreas tissue, labeling Quinone oxidoreductase using [ab154842](#) at a 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

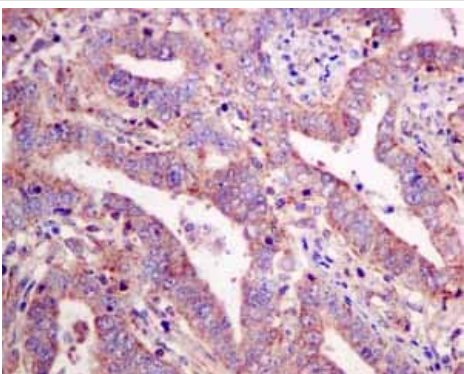
This data was developed using [**ab154842**](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human thyroid gland carcinoma tissue, labeling Quinone oxidoreductase using [**ab154842**](#) at a 1/100 dilution. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

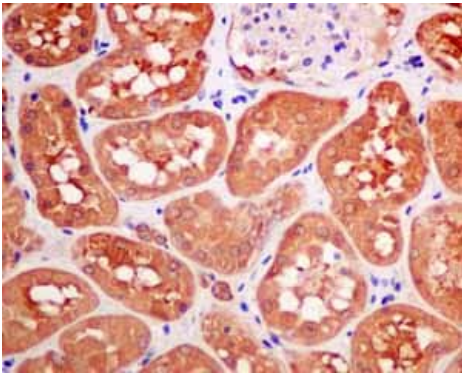
This data was developed using [**ab154842**](#), the same antibody clone in a different buffer formulation. Immunofluorescence analysis of HepG2 cells, labeling Quinone oxidoreductase using [**ab154842**](#) at a 1/250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

This data was developed using [**ab154842**](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin-embedded Human endometrial carcinoma tissue using [**ab154842**](#) showing +ve staining.

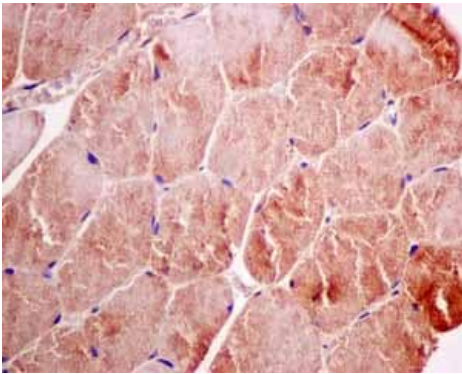
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

This data was developed using [ab154842](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human normal kidney tissue using [ab154842](#) showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] - BSA and Azide free (ab249145)

This data was developed using [ab154842](#), the same antibody clone in a different buffer formulation. Immunohistochemical analysis of paraffin embedded Human skeletal muscle tissue using [ab154842](#) showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Quinone oxidoreductase antibody

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

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