

Product datasheet

Anti-Quinone oxidoreductase antibody [EPR10843(B)] ab154842

Recombinant RabMAb

[1 References](#) [9 Images](#)

Overview

Product name	Anti-Quinone oxidoreductase antibody [EPR10843(B)]
Description	Rabbit monoclonal [EPR10843(B)] to Quinone oxidoreductase
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal liver lysate; HepG2 and K562 cell lysates; Human pancreas tissue; Human thyroid gland carcinoma tissue; HepG2 cells.
General notes	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>

Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10843(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab154842 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

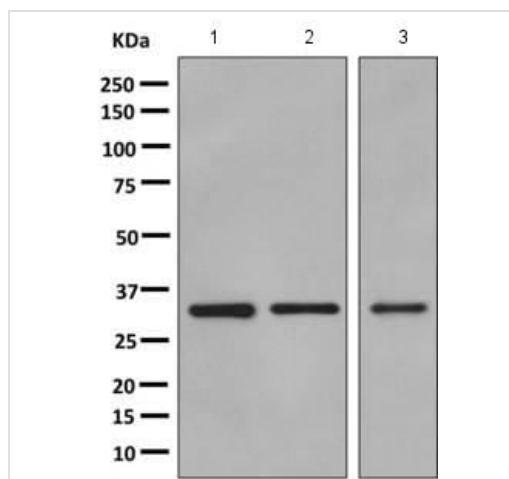
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Predicted molecular weight: 35 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/250 - 1/500.

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)] (ab154842)

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

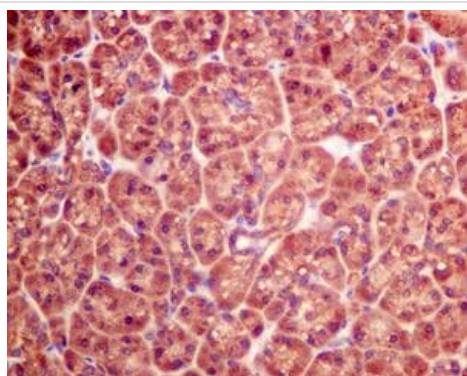
Lane 1 : Human fetal liver lysate

Lane 2 : HepG2 cell lysate

Lane 3 : K562 cell lysate

Lysates/proteins at 10 µg per lane.

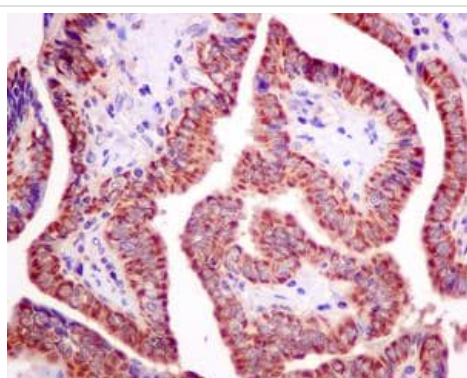
Predicted band size: 35 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human pancreas tissue, labeling Quinone oxidoreductase using ab154842 at a 1/100 dilution.

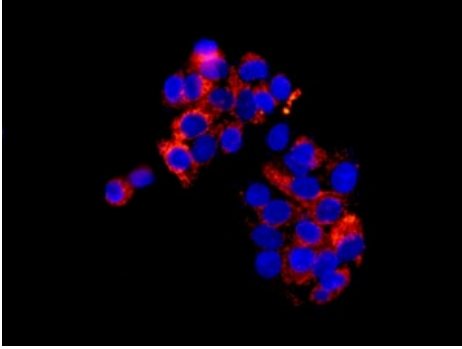
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)

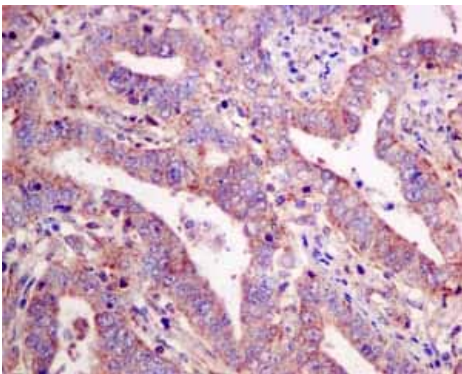
Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human thyroid gland carcinoma tissue, labeling Quinone oxidoreductase using ab154842 at a 1/100 dilution.

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



Immunofluorescence analysis of HepG2 cells, labeling Quinone oxidoreductase using ab154842 at a 1/250 dilution.

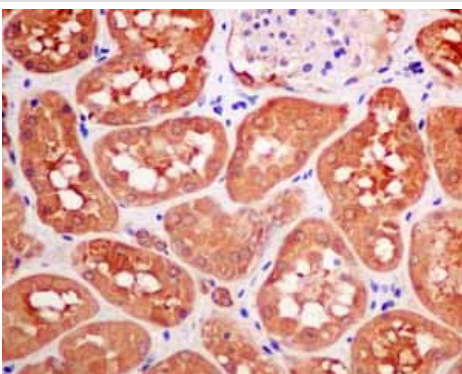
Immunocytochemistry/ Immunofluorescence - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)



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.

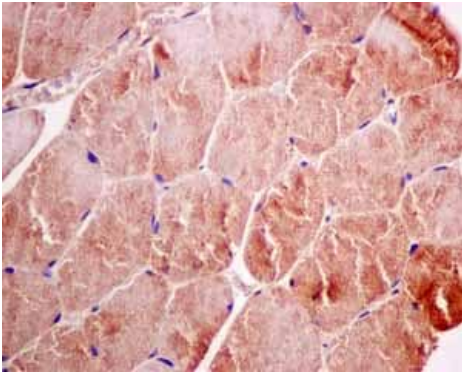
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)



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.

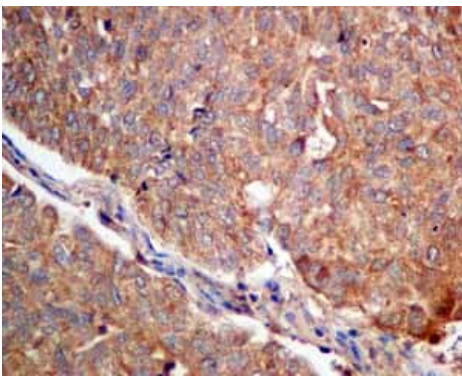
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)

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.

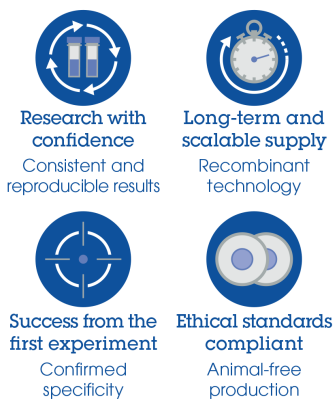


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Quinone oxidoreductase antibody [EPR10843(B)] (ab154842)

Immunohistochemical analysis of paraffin embedded Human urinary bladder transitional carcinoma 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?



Anti-Quinone oxidoreductase antibody
[EPR10843(B)] (ab154842)

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

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