abcam

Product datasheet

# Anti-Quinone oxidoreductase antibody [EPR10844(B)] ab155281

Recombinant RabMAb

2 Images

## Overview

| | |
|---|---|
| **Product name** | Anti-Quinone oxidoreductase antibody [EPR10844(B)] |
| **Description** | Rabbit monoclonal [EPR10844(B)] to Quinone oxidoreductase |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** WB<br>**Unsuitable for:** Flow Cyt,ICC/IF,IHC-P or IP |
| **Species reactivity** | **Reacts with:** Human |
| **Immunogen** | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| **Positive control** | HepG2, K562 and Human fetal liver lysates. |
| **General notes** | This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.<br><br>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information. |

## Properties

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

| | |
|---|---|
| **Clonality** | Monoclonal |
| **Clone number** | EPR10844(B) |
| **Isotype** | IgG |

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab155281 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** | | 1/1000 - 1/10000. Predicted molecular weight: 35 kDa. |

**Application notes** Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

## Target

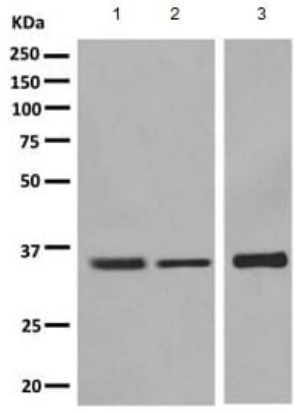
**Function** Does not have alcohol dehydrogenase activity. Binds NADP and acts through a one-electron transfer process. Orthoquinones, such as 1,2-naphthoquinone or 9,10-phenanthrenequinone, are the best substrates (in vitro). May act in the detoxification of xenobiotics. Interacts with (AU)-rich elements (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 [EPR10844(B)] (ab155281)

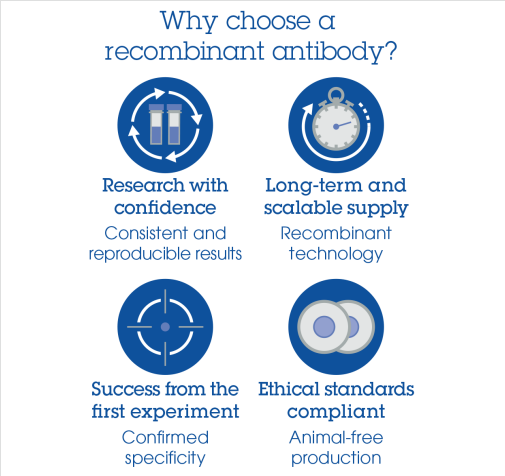
**All lanes :** Anti-Quinone oxidoreductase antibody [EPR10844(B)] (ab155281) at 1/1000 dilution

**Lane 1 :** HepG2 cell lysate
**Lane 2 :** K562 cell lysate
**Lane 3 :** Human fetal liver lysate

Lysates/proteins at 10 µg per lane.

**Secondary**
**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 35 kDa




Anti-Quinone oxidoreductase antibody

[EPR10844(B)] (ab155281)

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

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