

## Product datasheet

# Anti-NQO1 antibody [EPR21230] ab213239

**KO** **VALIDATED** Recombinant

2 Images

### Overview

<b>Product name</b>	Anti-NQO1 antibody [EPR21230]
<b>Description</b>	Rabbit monoclonal [EPR21230] to NQO1
<b>Host species</b>	Rabbit
<b>Specificity</b>	Based on internal western blot testing, this antibody showed no reactivity to NQO1 in mouse samples.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cow, Pig
<b>Immunogen</b>	Recombinant fragment. Database link: <a href="#">P15559</a>
<b>Positive control</b>	WB: HAP1, HepG2, Human Kidney
<b>General notes</b>	This product was made using <a href="#">synthetic libraries and phage display technology</a> . This antibody is a recombinant chimeric antibody. Rabbit chimeric monoclonal antibody (Human Fab/ Rabbit Fc).

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.02% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR21230
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab213239 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 1 µg/ml. Detects a band of approximately 31 kDa (predicted molecular weight: 31 kDa). Abcam recommends using 3% Milk as a blocking agent.

## Target

### Function

The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.

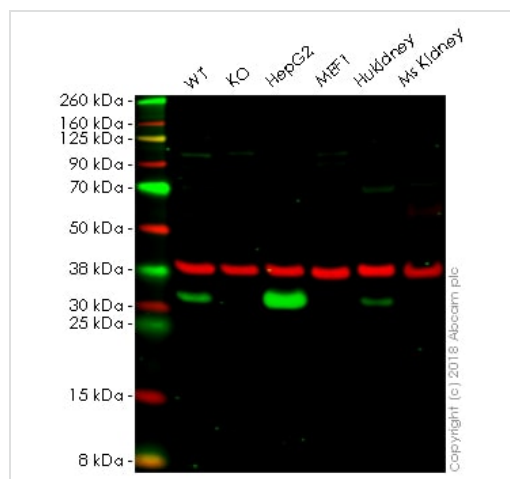
### Sequence similarities

Belongs to the NAD(P)H dehydrogenase (quinone) family.

### Cellular localization

Cytoplasm.

## Images



Western blot - Anti-NQO1 antibody [EPR21230]  
(ab213239)

**All lanes :** Anti-NQO1 antibody [EPR21230] (ab213239) at 1 µg/ml

**Lane 1 :** HAP1 wild-type whole cell lysate at 40 µg

**Lane 2 :** NQO1 knockout whole cell lysate at 40 µg

**Lane 3 :** HepG2 whole cell lysate at 20 µg

**Lane 4 :** MEF1 whole cell lysate at 20 µg

**Lane 5 :** Human Kidney tissue lysate at 20 µg

**Lane 6 :** Mouse Kidney tissue lysate at 20 µg


Performed under reducing conditions.

**Predicted band size:** 31 kDa

ab213239 was shown to specifically react with NQO1 in wild type HAP1 cells. No band was observed when NQO1 knockout samples were used. Wild-type and NQO1 knockout samples were subjected to SDS-PAGE. The membrane was then blocked for an hour using 3% milk before being incubated with ab213239 and [ab8245](#) (Mouse anti-GAPDH loading control) overnight at 4°C at a concentration of 1 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye®

680RD) preadsorbed (ab216776) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

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-NQO1 antibody [EPR21230] (ab213239)

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

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- 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.

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