


Product datasheet

# Anti-NQO2 antibody [EPR13345] ab181049

Recombinant RabMAb

4 Images

Overview

<b>Product name</b>	Anti-NQO2 antibody [EPR13345]
<b>Description</b>	Rabbit monoclonal [EPR13345] to NQO2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Human 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Mouse kidney, rat heart, rat kidney, rat spleen, L6 and C2C12 lysates; C6 cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .  Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

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: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13345
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181049 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
Flow Cyt (Intra)		1/140. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 26 kDa (predicted molecular weight: 26 kDa).

## Target

### Function

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

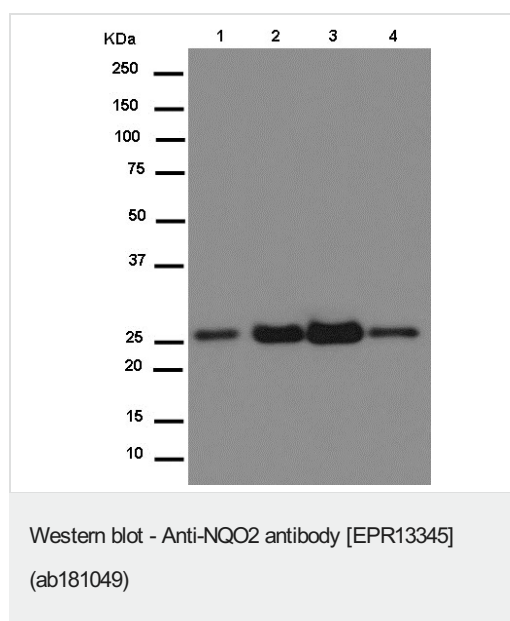
### Sequence similarities

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

### Cellular localization

Cytoplasm.

## Images



**All lanes** : Anti-NQO2 antibody [EPR13345] (ab181049) at 1/1000 dilution

**Lane 1** : Mouse kidney tissue lysate

**Lane 2** : Rat heart tissue lysate

**Lane 3** : Rat kidney tissue lysate

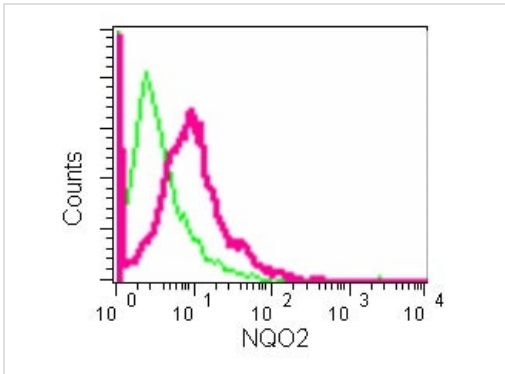
**Lane 4** : Rat spleen tissue lysate

Lysates/proteins at 20 µg per lane.

### Secondary

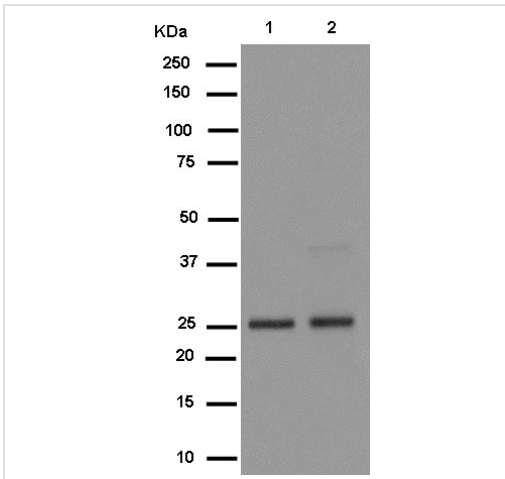
**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 26 kDa



Flow Cytometry (Intracellular) - Anti-NQO2 antibody [EPR13345] (ab181049)

Intracellular flow cytometric analysis of C6 cells labeling NQO2 with ab181049 at 1/140 dilution (red). Goat anti rabbit IgG (FITC) used as the secondary at 1/150 dilution. Isotype control Rabbit monoclonal IgG (green). Cells were fixed in 2% paraformaldehyde.



Western blot - Anti-NQO2 antibody [EPR13345] (ab181049)

**All lanes** : Anti-NQO2 antibody [EPR13345] (ab181049) at 1/5000 dilution

**Lane 1** : L6 cell lysate

**Lane 2** : C2C12 cell lysate

Lysates/proteins at 10 µg per lane.


**Secondary**

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 26 kDa

Blocking/ Dilution buffer: 5% NFDM /TBST.

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-NQO2 antibody [EPR13345] (ab181049)

**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
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