Product datasheet

Anti-NOX3 antibody ab81864

Overview

Product name
Anti-NOX3 antibody

Description
Rabbit polyclonal to NOX3

Host species
Rabbit

Tested applications
Suitable for: WB, ICC/IF

Species reactivity
Reacts with: Human

Predicted to work with: Dog

Immunogen
Synthetic peptide corresponding to Human NOX3 aa 100-200 conjugated to keyhole limpet haemocyanin.
(Peptide available as ab101218)

Positive control
This antibody gave a positive signal in HeLa and HEK293 whole cell lysates.

General notes
The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&A's

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer
pH: 7.40
Preservative: 0.02% Sodium azide
Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity
Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

The Abpromise guarantee covers the use of ab81864 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 62 kDa (predicted molecular weight: 64 kDa).</td>
</tr>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 1 µg/ml.</td>
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Target

Images

Western blot - Anti-NOX3 antibody (ab81864)

All lanes: Anti-NOX3 antibody (ab81864) at 1 µg/ml

Lane 1: HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 2: HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes: Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 64 kDa
Observed band size: 62 kDa
Additional bands at: 105 kDa, 85 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes
Abcam recommends that this antibody is blocked with milk rather than BSA.

ICC/IF image of ab81864 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab81864, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% MCF7 fixed (10 min) MCF7 cells at 1µg/ml, and in 100% methanol fixed (5 min) HeLa cells at 1µg/ml.

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

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- 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](https://www.abcam.com/abpromise) or contact our technical team.

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