

## Product datasheet

# Biotin Anti-Nitro tyrosine antibody ab27646

### 2 References

#### Overview

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<b>Product name</b>	Biotin Anti-Nitro tyrosine antibody
<b>Description</b>	Biotin Goat polyclonal to Nitro tyrosine
<b>Host species</b>	Goat
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Immunogen</b>	Chemical/ Small Molecule (Nitrotyrosine)
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.20</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 0.45% Sodium chloride, 0.02% EDTA disodium salt, 0.27% Monobasic dihydrogen sodium phosphate, 0.73% Dibasic monohydrogen sodium phosphate</p>
<b>Purification notes</b>	Purified by nitrated protein-Sepharose™
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

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**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab27646 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
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.

## Target

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### Relevance

Nitric oxide (NO) is a product of the enzymatic conversion of arginine to citrulline by nitric oxide synthase. NO reacts rapidly with superoxide to form peroxynitrite. At physiological pH and in the presence of transition metals, peroxynitrite undergoes heterolytic cleavage to form hydroxyl anion and nitronium ion, the latter of which nitrates protein tyrosine residues. Thus, the presence of nitrotyrosine on proteins can be used as a marker for peroxynitrite formation in vivo. The presence of nitrotyrosine has been detected in various inflammatory processes including atherosclerotic plaques.

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

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