

## Product datasheet

# Anti-Nitrotyrosine antibody [EM-30] ab125106

★★★★★ [3 Abreviews](#) [6 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-Nitrotyrosine antibody [EM-30]
<b>Description</b>	Mouse monoclonal [EM-30] to Nitrotyrosine
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, IHC-Fr
<b>Immunogen</b>	Chemical/ Small Molecule corresponding to Nitrotyrosine.
<b>Positive control</b>	NO2-BSA, NO2-HSA; Human colon cancer epithelium and prostate hyperplasia tissues.
<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

<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.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: 99% PBS</p>
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purified from cell culture supernatant by affinity chromatography. Purity is > 95% (by SDS-PAGE).
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EM-30
<b>Isotype</b>	IgG1

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125106 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

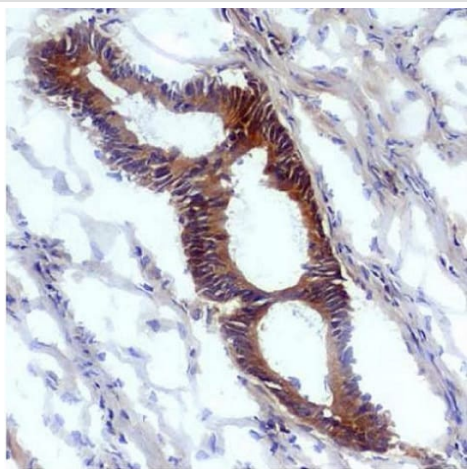
Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
IHC-P	★★★★★ (1)	Use a concentration of 10 µg/ml.
IHC-Fr	★★★★★ (1)	Use a concentration of 10 µg/ml.

## Target

### Relevance

The cellular production of highly reactive nitrogen species derived from nitric oxide, such as peroxynitrite, nitrogen dioxide and nitryl chloride, leads to the nitration of tyrosine residues in tissue proteins. The extent of protein nitrotyrosine formation provides an index of the production of reactive nitrogen species and potential cell damage over a period of time. Nitrotyrosine can be measured by amino-acid analysis of protein hydrolysates and detected, estimated semi-quantitatively and located in cells and tissues by immunocytochemical techniques using antibodies directed against the nitrotyrosine hapten.

## Images



Immunohistochemistry (Frozen sections) - Anti-Nitrotyrosine antibody [EM-30] (ab125106)

Immunohistochemical analysis of Human tumoral colon epithelium (frozen sections) labelling Nitrotyrosine with ab125106 at 10 µg/mL.

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

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