


Product datasheet

Biotin Anti-Nitrotyrosine antibody [HM.11] ab7225

[2 References](#) [1 Image](#)

Overview

Product name	Biotin Anti-Nitrotyrosine antibody [HM.11]
Description	Biotin Mouse monoclonal [HM.11] to Nitrotyrosine
Host species	Mouse
Conjugation	Biotin
Specificity	This highly specific monoclonal antibody reacts with nitrotyrosine, both with the free amino acid as well as with proteins containing nitrotyrosine.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 

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&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Constituents: 0.164% Sodium phosphate, 1.45% Sodium chloride, 1.5% BSA
Purity	Protein G purified
Clonality	Monoclonal
Clone number	HM.11
Isotype	IgG2b

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab7225 in the following tested applications.

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

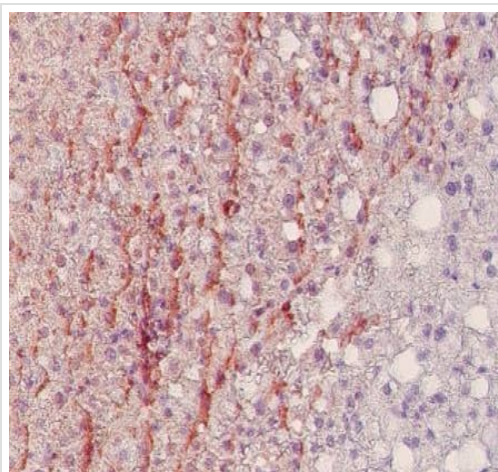
Application	Abreviews	Notes
IHC-P		1/200 - 1/400.

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



Nitrotyrosine in human liver of severely obese patients. Staining of paraffin tissue section with ab7225 at 2 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Biotin Anti-Nitrotyrosine antibody [HM.11] (ab7225)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors