


## Product datasheet

# Anti-iNOS antibody [SP126] ab115819

Recombinant **RabMAb**

★★★★★ 1 Abreviews 1 References 5 Images

### Overview

<b>Product name</b>	Anti-iNOS antibody [SP126]
<b>Description</b>	Rabbit monoclonal [SP126] to iNOS
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide within Mouse iNOS aa 1100 to the C-terminus. The exact sequence is proprietary. Near the C-terminus. Database link: <a href="#">P29477</a>
<b>Positive control</b>	IHC-P: Human Lung, Human lung, and Human lung carcinoma tissue; FC: Raw264.
<b>General notes</b>	<b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b>

### 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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.6 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS by Protein A/G.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	SP126
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab115819** in the following tested applications.

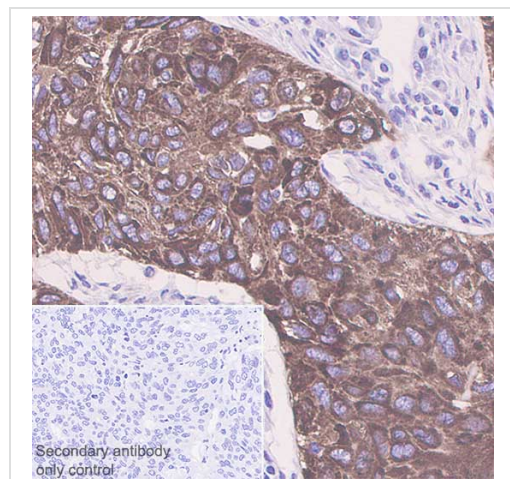
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★	1/100. Boil tissue section in Citrate buffer, pH 6.0 for 10 minutes followed by cooling at room temperature for 20 minutes. Incubate with primary antibody for 10 minutes at room temperature.
Flow Cyt		Use at an assay dependent concentration.

## Target

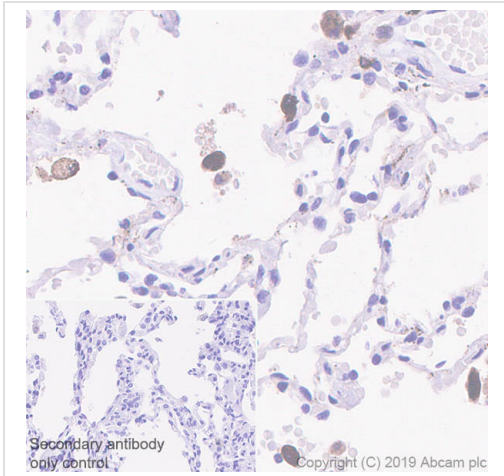
<b>Function</b>	Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such COX2.
<b>Tissue specificity</b>	Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets.
<b>Sequence similarities</b>	Belongs to the NOS family. Contains 1 FAD-binding FR-type domain. Contains 1 flavodoxin-like domain.

## Images



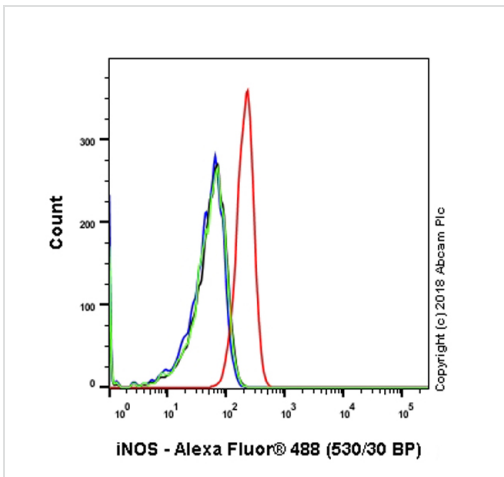
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human lung carcinoma tissue sections labeling iNOS with Purified ab115819 at 1/100 dilution (0.65 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval using sodium citrate buffer, pH 6.0. Goat Anti-Rabbit IgG H&L (HRP) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-iNOS antibody [SP126] (ab115819)



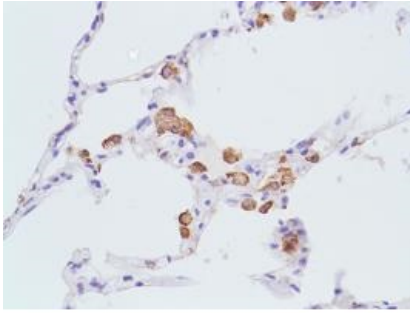
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-iNOS antibody [SP126] (ab115819)



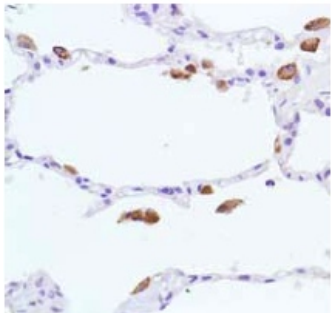
Flow cytometry analysis of Raw264.7 cells treated with 0.1 µg/ml Lipopolysaccharides for 24hours labeling iNOS with purified ab115819 (red). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Goat anti rabbit IgG (Alexa Fluor® 488, ab150081) was used as a secondary antibody. Isotype control - Rabbit monoclonal IgG (ab172730) (Black). Unlabeled control - Unlabelled cells (blue).

Flow Cytometry - Anti-iNOS antibody [SP126] (ab115819)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-iNOS antibody [SP126] (ab115819)

Formalin-fixed, paraffin-embedded human lung stained for iNOS using ab115819 at a dilution of 1/100 in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-iNOS antibody [SP126] (ab115819)

Formalin-fixed, paraffin-embedded human lung stained for iNOS using ab115819 at a dilution of 1/100 in immunohistochemical analysis.

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

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