


Product datasheet

Anti-iNOS antibody [SP126] ab115819

Recombinant RabMAb

★★★★☆ [4 Abreviews](#) [13 References](#) [6 Images](#)

Overview

Product name	Anti-iNOS antibody [SP126]
Description	Rabbit monoclonal [SP126] to iNOS
Host species	Rabbit
Specificity	We have preliminary internal testing data to indicate this antibody showed no staining in untreated mouse tissue sample by IHC-P
Tested applications	Suitable for: IHC-P, Flow Cyt (Intra) Unsuitable for: ELISA, Flow Cyt or WB
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human lung and lung carcinoma tissue. Flow Cyt (Intra): RAW 264.7 cells.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by Protein A/G.
Clonality	Monoclonal
Clone number	SP126
Isotype	IgG

Applications

The Abpromise guarantee

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	★★★★★ (3)	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. We have preliminary internal testing data to indicate this antibody
Flow Cyt (Intra)		Use at an assay dependent concentration.

Application notes

Is unsuitable for ELISA, Flow Cyt or WB.

Target

Function

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 as COX2.

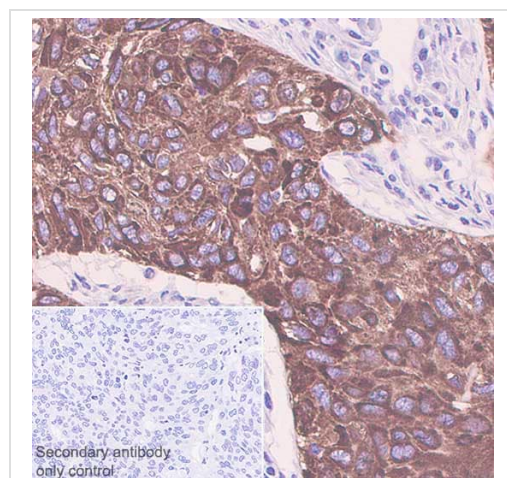
Tissue specificity

Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets.

Sequence similarities

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).

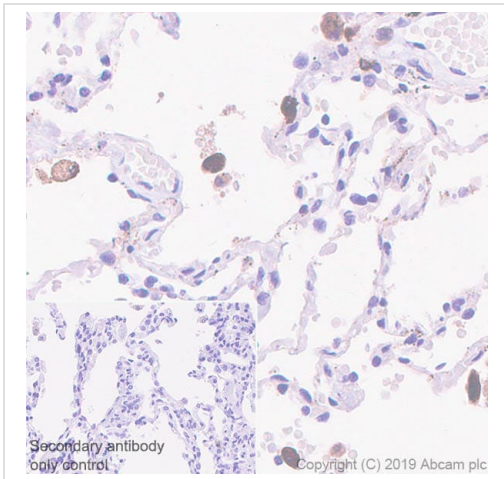
Heat mediated antigen retrieval was performed using sodium citrate buffer, pH 6.0.

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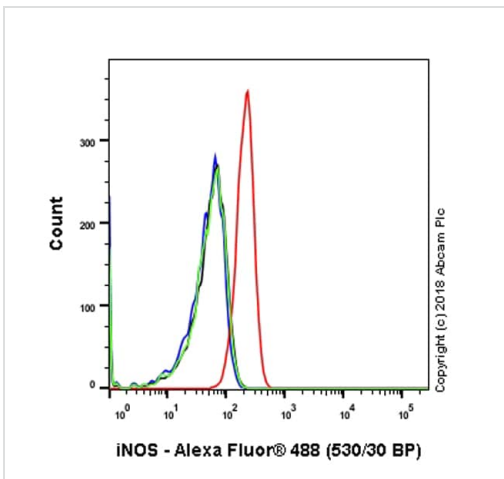
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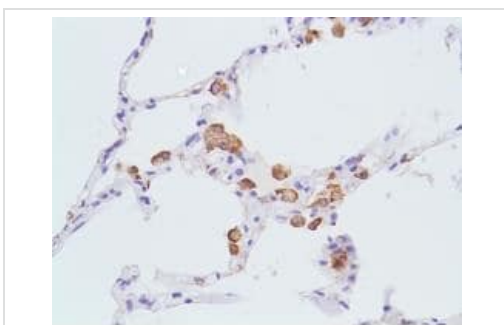
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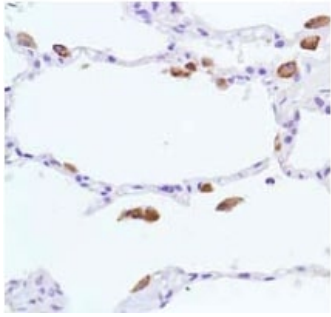
Flow Cytometry (Intracellular) - Anti-iNOS antibody [SP126] (ab115819)

Flow cytometry analysis of RAW 264.7 (mouse macrophage cell line transformed with Abelson murine leukemia virus) cells treated with 0.1µg/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).



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.



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

Why choose a recombinant antibody?



Anti-iNOS antibody [SP126] (ab115819)

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

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