

### Anti-iNOS antibody [NOS-IN] ab49999

★★★★★ [5 Abreviews](#) [79 References](#) [2 图像](#)

#### 概述

|              |  |
|--------------|--|
| <b>产品名称</b>  | Anti-iNOS抗体[NOS-IN]  |
| <b>描述</b>    | 小鼠单克隆抗体[NOS-IN] to iNOS  |
| <b>宿主</b>    | Mouse  |
| <b>特异性</b>   | This antibody reacts specifically with inducible-type nitricoxide synthase (iNOS, also termed macNOS and mNOS). It does not react with NOS derived from brain.   |
| <b>经测试应用</b> | <b>适用于:</b> ICC/IF, WB   |
| <b>种属反应性</b> | <b>与反应:</b> Mouse  |
| <b>免疫原</b>   | Synthetic peptide corresponding to Mouse iNOS aa 1126-1144 conjugated to keyhole limpet haemocyanin.<br>Sequence:<br>FSYGAKKGSALleepKATRL<br><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>   |
| <b>阳性对照</b>  | WB: Whole cell extract of RAW 264.7 activated with LPS and IFN-gamma. ICC/IF: RAW 264.7 activated with LPS and IFN-gamma.  |
| <b>常规说明</b>  | <p>This product was changed from ascites to tissue culture supernatant on 17 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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> |

#### 性能

|             |  |
|-------------|--|
| <b>形式</b>   | Liquid   |
| <b>存放说明</b> | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| <b>存储溶液</b> | pH: 7.4  |

Preservative: 0.087% Sodium azide

Constituent: 2.93% PBS

**纯化说明**

This antibody is purified from hybridoma cell culture.

**克隆**

单克隆

**克隆编号**

NOS-IN

**同种型**

IgG1

**应用**

**The Abpromise guarantee**

**Abpromise™**承诺保证使用ab49999于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用     | Ab评论      | 说明  |
|--------|-----------|---|
| ICC/IF |           | Use at an assay dependent concentration.                                      |
| WB     | ★★★★★ (4) | Use at an assay dependent concentration. Predicted molecular weight: 131 kDa. |

**靶标**

**功能**

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.

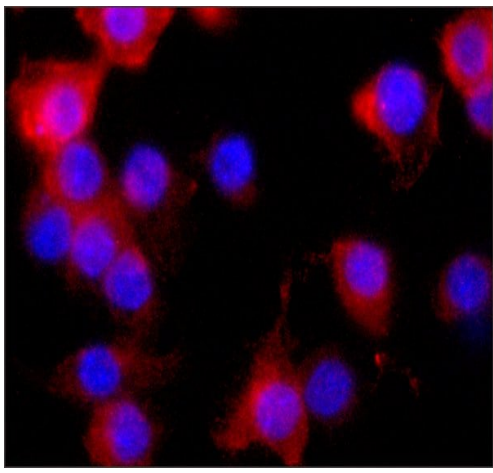
**组织特异性**

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

**序列相似性**

Belongs to the NOS family.  
Contains 1 FAD-binding FR-type domain.  
Contains 1 flavodoxin-like domain.

**图片**

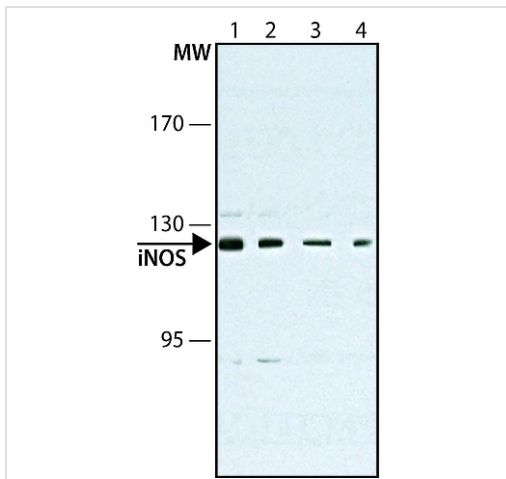


Immunocytochemistry/ Immunofluorescence - Anti-iNOS antibody [NOS-IN] (ab49999)

Immunocytochemistry/ Immunofluorescence analysis of IFN- $\gamma$ /LPS-activated RAW-264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) cells labeling iNOS with ab49999 at 1/2000 dilution.

Cells were fixed and permeabilized with 4% paraformaldehyde and 0.5% Triton™ X-100. The antibody was developed using Goat anti-Mouse IgG, Cy3-conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.

This image was generated using the ascites version of the product.



Western blot - Anti-iNOS antibody [NOS-IN] (ab49999)

**Lane 1** : Anti-iNOS antibody [NOS-IN] (ab49999) at 1/500 dilution  
**Lane 2** : Anti-iNOS antibody [NOS-IN] (ab49999) at 1/1000 dilution  
**Lane 3** : Anti-iNOS antibody [NOS-IN] (ab49999) at 1/2500 dilution  
**Lane 4** : Anti-iNOS antibody [NOS-IN] (ab49999) at 1/5000 dilution

**All lanes** : IFN-gamma/LPS-activated RAW-264.7 cell extract

**Secondary**

**All lanes** : Goat Anti-Mouse IgG-Peroxidase and chemiluminescent substrate

**Predicted band size:** 131 kDa

This image was generated using the ascites version of the product.

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

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