

## Datasheet: AHP303

<b>Description:</b>	RABBIT ANTI INDUCIBLE NITRIC OXIDE SYNTHASE
<b>Specificity:</b>	NOS-II
<b>Other names:</b>	iNOS
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/500
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/2000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Mouse

### Species Cross Reactivity

Reacts with: Rat, Human

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Serum - liquid

**Antiserum Preparation** Antisera to inducible Nitric Oxide Synthase were raised by repeated immunisation of rabbits with highly purified antigen. Whole serum is supplied.

### Preservative

<0.1% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

**Immunogen** Mouse macrophage NOS C-terminal peptide (1131-1144) + additional N-terminal Cys conjugated to KLH (CKKGSALleepKATRL).

## External Database

### Links

#### UniProt:

[P29477](#)

[Related reagents](#)

#### Entrez Gene:

[18126](#)

Nos2

[Related reagents](#)

## Synonyms

Inosl

## RRID

AB\_2152736

## Specificity

**Rabbit anti inducible nitric oxide synthase antibody** recognizes inducible nitric oxide synthase (iNOS), also known as Macrophage NOS, NOS type II or Peptidyl-cysteine S-nitrosylase NOS2. Rabbit anti inducible nitric oxide synthase antibody does not cross react with endothelial nitric oxide synthase (eNOS) or brain nitric oxide synthase (bNOS).

## References

1. Lyons, C.R. *et al.* (1992) Molecular cloning and functional expression of an inducible nitric oxide synthase from a murine macrophage cell line. [J Biol Chem. 267 \(9\): 6370-4.](#)
2. Lowenstein, C.J. *et al.* (1992) Cloned and expressed macrophage nitric oxide synthase contrasts with the brain enzyme. [Proc Natl Acad Sci U S A. 89 \(15\): 6711-5.](#)
3. Bredt, D.S. *et al.* (1991) Cloned and expressed nitric oxide synthase structurally resembles cytochrome P-450 reductase. [Nature. 351 \(6329\): 714-8.](#)
4. Hohenstein, B. *et al.* (2007) Analysis of NO-synthase expression and clinical risk factors in human diabetic nephropathy. [Nephrol Dial Transplant. 23: 1346-54.](#)
5. Fenoglio, C. *et al.* (2004) Expression of natriuretic peptides, nitric oxide synthase, and guanylate cyclase activity in frog mesonephros during the annual cycle. [Gen Comp Endocrinol. 137: 166-76.](#)
6. Elmann, A. *et al.* (2011) Anti-neuroinflammatory effects of the extract of *Achillea fragrantissima*. [BMC Complement Altern Med. 11: 98.](#)
7. Montes de Oca, M. *et al.* (2008) Peripheral muscle alterations in non-COPD smokers. [Chest. 133 \(1\): 13-8.](#)
8. Macura, S.L. *et al.* (2013) Microspheres targeted with a mesothelin antibody and loaded with doxorubicin reduce tumor volume of human mesotheliomas in xenografts. [BMC Cancer. 13: 400.](#)
9. Subhan, F. *et al.* (2017) Fish Scale Collagen Peptides Protect against CoCl<sub>2</sub>/TNF- $\alpha$ -Induced Cytotoxicity and Inflammation via Inhibition of ROS, MAPK, and NF- $\kappa$ B Pathways in HaCaT Cells. [Oxid Med Cell Longev. 2017: 9703609.](#)

## Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in

frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10081 available at: 10081: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
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