

Datasheet: AHP303

Description:	RABBIT ANTI INDUCIBLE NITRIC OXIDE SYNTHASE
Specificity:	NOS-II
Other names:	iNOS
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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.
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 Stabilisers	0.05% Sodium Azide (NaN ₃)
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Immunogen	Mouse macrophage NOS C-terminal peptide (1131-1144) + additional N-terminal Cys conjugated to KLH (CKKGSALPEPKATRL).
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External Database Links	UniProt: P29477 Related reagents
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Entrez Gene:[18126](#) Nos2 [Related reagents](#)

Synonyms	Inosl
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. <i>et al.</i> (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. <i>et al.</i> (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. <i>et al.</i> (1991) Cloned and expressed nitric oxide synthase structurally resembles cytochrome P-450 reductase. Nature. 351 (6329): 714-8. 4. Hohenstein, B. <i>et al.</i> (2007) Analysis of NO-synthase expression and clinical risk factors in human diabetic nephropathy. Nephrol Dial Transplant. 23: 1346-54. 5. Fenoglio, C. <i>et al.</i> (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. <i>et al.</i> (2011) Anti-neuroinflammatory effects of the extract of <i>Achillea fragrantissima</i>. BMC Complement Altern Med. 11: 98. 7. Montes de Oca, M. <i>et al.</i> (2008) Peripheral muscle alterations in non-COPD smokers. Chest. 133 (1): 13-8. 8. Macura, S.L. <i>et al.</i> (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. <i>et al.</i> (2017) Fish Scale Collagen Peptides Protect against CoCl₂/TNF-α-Induced Cytotoxicity and Inflammation via Inhibition of ROS, MAPK, and NF-κB Pathways in HaCaT Cells. Oxid Med Cell Longev. 2017: 9703609.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10081 available at: 10081: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)Sheep Anti Rabbit IgG (STAR35...) [RPE](#)Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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