

Datasheet: AHP2399

BATCH NUMBER 165828

Description:	RABBIT ANTI iNOS
Specificity:	iNOS
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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
Immunoprecipitation	▪			
Western Blotting	▪			1/1000

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species

Mouse

Species Cross Reactivity

Reacts with: Rat, Bovine

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

Purified IgG - liquid

Antiserum Preparation

Antiserum to iNOS was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography on Protein A.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

<0.1% Sodium Azide (NaN₃)

50% Glycerol

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Synthetic peptide corresponding to aa 1131-1144 of mouse iNOS
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External Database Links	UniProt: P29477 Related reagents
	Entrez Gene: 18126 Nos2 Related reagents

Synonyms	Inosl
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Specificity	Rabbit anti iNOS antibody recognizes inducible nitric oxide synthase also known as iNOS and NOS type II. This enzyme triggers the synthesis of the second messenger molecule, nitric oxide (NO), by immune cells such as macrophages in response to pathogen exposure. Inducible nitric oxide synthase also becomes activated in response to interleukin 1 beta and tumor necrosis factor alpha (Lowenstein and Padalko, 2004). In endothelia, the molecule is produced by eNOS (endothelial nitric oxide synthase) where it acts as a vasodilator and platelet inhibitor while in the brain NO is produced by nNOS (neuronal nitric oxide synthase) and functions as a neurotransmitter.
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Western Blotting	Rabbit anti iNOS recognizes a band of ~130 kDa by Western Blot
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References	1. Sirak, A. <i>et al.</i> (2021) Cellular and Cytokine Responses in Lymph Node Granulomas of Bacillus Calmette Guérin (BCG)-Vaccinated and Non-vaccinated Cross-Breed Calves Naturally Infected With <i>Mycobacterium bovis</i> . Front Vet Sci. 8: 698800.
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Storage	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2399 10049
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Regulatory	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 \(STAR209P\)](#)

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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M389203:210806'

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