

## Datasheet: AHP2399

<b>Description:</b>	RABBIT ANTI iNOS
<b>Specificity:</b>	iNOS
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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 (NaN<sub>3</sub>)  
50% Glycerol

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Synthetic peptide corresponding to aa 1131-1144 of mouse iNOS
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P29477</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">18126</a>    Nos2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	Inosl
<b>Specificity</b>	<b>Rabbit anti iNOS antibody</b> 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 ( <a href="#">Lowenstein and Padalko, 2004</a> ). 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.
<b>Western Blotting</b>	Rabbit anti iNOS recognizes a band of ~130 kDa by Western Blot
<b>References</b>	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> . <a href="#">Front Vet Sci. 8: 698800.</a>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2399">https://www.bio-rad-antibodies.com/SDS/AHP2399</a> 10049
<b>Regulatory</b>	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 (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)  
'M389203:210806'

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