

## Datasheet: AHP2402

<b>Description:</b>	RABBIT ANTI nNOS
<b>Specificity:</b>	nNOS
<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
Immunohistology - Paraffin	▪			
Western Blotting	▪			1/250

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

**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 nNOS 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

0.09% 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 the sequence near the C-terminus of nNOS
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9Z0J4</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">18125</a>    Nos1    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<b>Rabbit anti nNOS antibody</b> recognizes neuronal nitric oxide synthase also known as nNOS and NOS type I. nNOS catalyzes the synthesis of the second messenger molecule and neurotransmitter, nitric oxide (NO), in the brain. NO is also produced by immune cells, such as macrophages, as part of the immune response by the iNOS (inducible nitric oxide synthase). In endothelia, the molecule is produced by eNOS (endothelial nitric oxide synthase) where it acts as a vasodilator. Neuronal nitrogen oxide synthase, via regulation of NO levels, is important for nervous system development and plays a role in development and learning ( <a href="#">Esplugues, 2002</a> ).
<b>Western Blotting</b>	Rabbit anti nNOS recognizes a band of ~155 kDa by Western blot
<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Useful Reagents

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

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