

**Product Name: iNOS (12H16) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe12619**

## Summary

<b>Production Name</b>	iNOS (12H16) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	NOS2
<b>Alternative Names</b>	HEP-NOS; Hepatocyte NOS; Inducible NO synthase; Inducible NOS; iNOS; NOS2;
<b>Gene ID</b>	4843.0
<b>SwissProt ID</b>	P35228.

## Application

<b>Dilution Ratio</b>	WB 1:500-1:1000
<b>Molecular Weight</b>	131kDa

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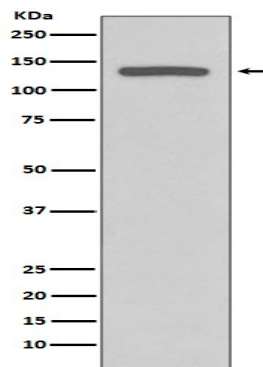
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## Background

iNOS Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions. Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body (PubMed: [7531687](http://www.uniprot.org/citations/7531687)), PubMed: [7544004](http://www.uniprot.org/citations/7544004)). In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such PTGS2/COX2 (By similarity). As component of the iNOS-S100A8/9 transnitrosylase complex involved in the selective inflammatory stimulus-dependent S-nitrosylation of GAPDH on 'Cys-247' implicated in regulation of the GAIT complex activity and probably multiple targets including ANXA5, EZR, MSN and VIM (PubMed: [25417112](http://www.uniprot.org/citations/25417112)). Involved in inflammation, enhances the synthesis of proinflammatory mediators such as IL6 and IL8 (PubMed: [19688109](http://www.uniprot.org/citations/19688109)).

## Research Area

## Image Data



Western blot analysis of iNOS expression in Human fetal brain lysate.

## Note

For research use only.