

**iNOS Antibody**  
Rabbit mAb  
Catalog # AP90991

## Specification

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### iNOS Antibody - Product Information

Application	<b>WB, ICC, IP</b>
Primary Accession	<a href="#">P35228</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
HEP-NOS; Hepatocyte NOS; Inducible NO synthase; Inducible NOS; iNOS; NOS2;	

Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>131117 Da</b>

### iNOS Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human iNOS</b>
Description	<b>iNOS Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### iNOS Antibody - Protein Information

**Name** NOS2 ([HGNC:7873](#))

**Synonyms** NOS2A

#### Function

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body (PubMed: [7504305](http://www.uniprot.org/citations/7504305), PubMed: [7531687](http://www.uniprot.org/citations/7531687), PubMed: [7544004](http://www.uniprot.org/citations/7544004), PubMed: [7682706](http://www.uniprot.org/citations/7682706)). 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:<a href="http://www.uniprot.org/citations/25417112" target="\_blank">25417112</a>). Involved in inflammation, enhances the synthesis of pro-inflammatory mediators such as IL6 and IL8 (PubMed:<a href="http://www.uniprot.org/citations/19688109" target="\_blank">19688109</a>).

#### Cellular Location

Cytoplasm, cytosol. Note=Localizes as discrete foci scattered throughout the cytosol and in the presence of SPSB1 and SPSB4, exhibits a more diffuse cytosolic localization.

#### Tissue Location

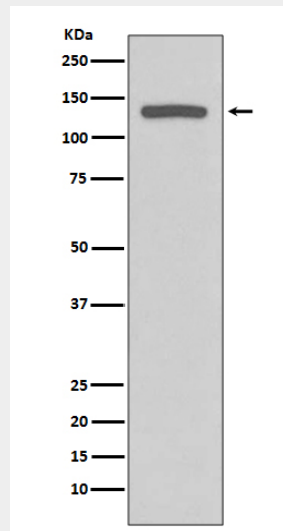
Expressed in the liver, retina, bone cells and airway epithelial cells of the lung. Not expressed in the platelets Expressed in chondrocytes (PubMed:7504305)

### iNOS Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### iNOS Antibody - Images



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