

iNOS Rabbit mAb
Catalog # AP76950**Specification**

iNOS Rabbit mAb - Product Information

| | |
|-------------------|----------------------------|
| Application | WB, IP, ICC |
| Primary Accession | P35228 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |

iNOS Rabbit mAb - Additional Information**Gene ID** 4843**Other Names**
NOS2**Format**
Liquid**iNOS Rabbit mAb - 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) target="_blank">7504305, PubMed: [7531687](http://www.uniprot.org/citations/7531687) target="_blank">7531687, PubMed: [7544004](http://www.uniprot.org/citations/7544004) target="_blank">7544004, PubMed: [7682706](http://www.uniprot.org/citations/7682706) target="_blank">7682706). In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such as 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) target="_blank">25417112). Involved in inflammation, enhances the synthesis of pro-inflammatory mediators such as IL6 and IL8 (PubMed: [19688109](http://www.uniprot.org/citations/19688109) target="_blank">19688109).

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 Rabbit mAb - 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 Rabbit mAb - Images