

NOS2 / iNOS Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16500**Specification**

NOS2 / iNOS Antibody - Product Information

Application	IHC
Primary Accession	P35228
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	131kDa KDa

NOS2 / iNOS Antibody - Additional Information**Gene ID** 4843**Other Names**

Nitric oxide synthase, inducible, 1.14.13.39, Hepatocyte NOS, HEP-NOS, Inducible NO synthase, Inducible NOS, iNOS, NOS type II, Peptidyl-cysteine S-nitrosylase NOS2, NOS2, NOS2A

Target/Specificity

Human NOS2 / iNOS

Reconstitution & Storage

Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions

NOS2 / iNOS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NOS2 / 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: [7531687](http://www.uniprot.org/citations/7531687), PubMed: [7544004](http://www.uniprot.org/citations/7544004), PubMed: [7682706](http://www.uniprot.org/citations/7682706), PubMed: [7504305](http://www.uniprot.org/citations/7504305)). 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). Involved in inflammation, enhances the synthesis of pro-inflammatory mediators such as IL6 and IL8 (PubMed: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)

Volume

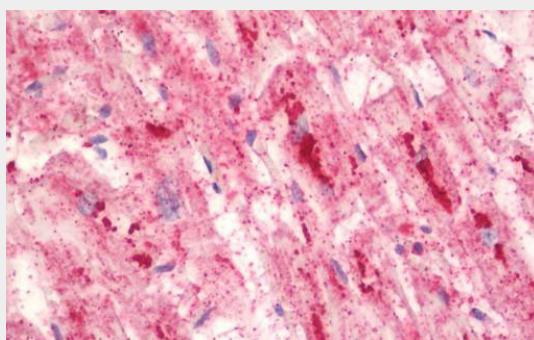
250 µl

NOS2 / iNOS Antibody - Protocols

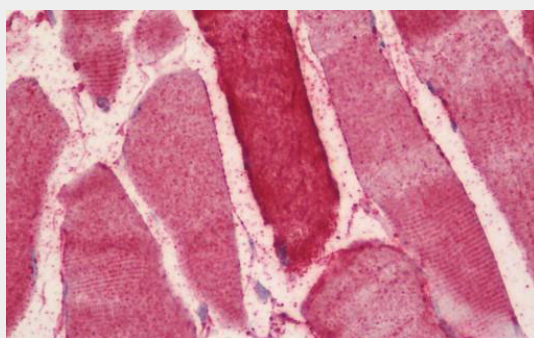
Provided below are standard protocols that you may find useful for product applications.

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

NOS2 / iNOS Antibody - Images



Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)

NOS2 / iNOS Antibody - Background

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such COX2.