

**NOS2A Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11772c****Specification**

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**NOS2A Antibody (Center) Blocking peptide - Product Information**Primary Accession [P35228](#)**NOS2A Antibody (Center) Blocking peptide - Additional Information**

Gene ID 4843

**Other Names**

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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NOS2A Antibody (Center) Blocking peptide - 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](http://www.uniprot.org/citations/25417112)). Involved in inflammation, enhances the synthesis of pro-inflammatory mediators such as IL6 and IL8 (PubMed: [19688109](http://www.uniprot.org/citations/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)

**NOS2A Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**NOS2A Antibody (Center) Blocking peptide - Images****NOS2A Antibody (Center) Blocking peptide - Background**

Members of the parvin family, including PARVB, are actin-binding proteins associated with focal contacts.[supplied by OMIM].

**NOS2A Antibody (Center) Blocking peptide - References**

Wu, C.F., et al. Br. J. Cancer 103(6):852-860(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Kimura, M., et al. J. Cell. Sci. 123 (PT 5), 747-755 (2010) :Matsuda, C., et al. FEBS Lett. 582(8):1189-1196(2008) Johnstone, C.N., et al. Mol. Cell. Biol. 28(2):687-704(2008)