

## Basic Information

<b>Product Name</b>	Anti-iNOS/NOS2 Antibody (Clone#31N04)	
<b>Gene Name</b>	NOS2	
<b>Source</b>	Rabbit	
<b>Clonality</b>	Monoclonal	
<b>Isotype</b>	IgG	
<b>Species Reactivity</b>	human, mouse	
<b>Tested Application</b>	WB, IHC, ICC/IF	
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
<b>Immunogen</b>	Synthetic peptide.	
<b>Concentration</b>	500 ug/ml	
<b>Purification</b>	Protein A affinity purified.	
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200

## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

Nitric oxide synthase, inducible is an enzyme that in humans is encoded by the NOS2 gene. Nitric oxide (NO) is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter; it is implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. Three different NOS isoforms have been identified which fall into two distinct types, constitutive and inducible. The inducible NOS (iNOS) isoform is expressed in a variety of cell types and tissues in response to inflammatory agents and cytokines. The human iNOS (NOS2) gene is approximately 37 kb in length and consists of 26 exons and 25 introns. NOS2-derived NO is a prerequisite for cytokine signaling and function in innate immunity.

## Reference

Product datasheet

**Anti-iNOS/NOS2 Antibody  
(Clone#31N04)**

**Catalog Number: M00368-4**



antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

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Anti-iNOS/NOS2 Antibody (Clone#31N04)被引用在1文献中。

## Selected Validation Data