

iNOS Antibody

Catalog No: #48309

Package Size: #48309-1 50ul #48309-2 100ul

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Support: tech@signalwayantibody.com

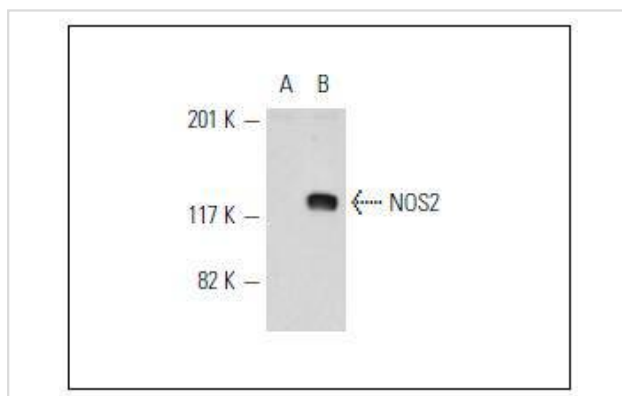
Description

Product Name	iNOS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, IP, IF, IHC(P)
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Other Names	HEP-NOS antibody Hepatocyte NOS antibody HEPNOS antibody inducible antibody Inducible nitric oxide synthase antibody Inducible NO synthase antibody Inducible NOS antibody iNOS antibody MAC NOS antibody Macrophage NOS antibody Nitric oxide synthase 2 inducible antibody Nitric oxide synthase 2 inducible macrophage antibody nitric oxide synthase 2A (inducible, hepatocytes) antibody Nitric oxide synthase antibody Nitric oxide synthase inducible antibody nitric oxide synthase, macrophage antibody NOS 2 antibody NOS antibody Nos II antibody NOS type II antibody nos2 antibody NOS2_HUMAN antibody NOS2A antibody NOS2A, Inducible, Hepatocyte antibody Peptidyl-cysteine S-nitrosylase NOS2 antibody
Accession No.	Swiss-Prot#:P35228
Uniprot	P35228
GeneID	4843;
Calculated MW	130kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:100-1:1,000 IHC: 1:50-1:500 IP: 1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)

Images



Western blot analysis of NOS2 expression in uninduced (A) and LPS/IFN- γ stimulated (B) RAW264.7 whole cell lysates.

Background

Nitric oxide (NO) has a broad range of biological activities and has been implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOSs), the enzymes responsible for synthesis of NO, contain an N-terminal oxygenase domain and a C-terminal reductase domain. NOS activity requires homodimerization as well as three cosubstrates (L-arginine, NADPH and O₂) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin and heme). Several distinct NOS isoforms have been described and been shown to represent the products of three distinct genes. These include two constitutive Ca²⁺/CaM-dependent forms of NOS, including NOS1 (also designated ncNOS) whose activity was first identified in neurons, and NOS3 (also designated ecNOS), first identified in endothelial cells. The inducible form of NOS, NOS2 (also designated iNOS), is Ca²⁺-independent and is expressed in a broad range of cell types.

References

Note: This product is for in vitro research use only