

Rabbit Inducible Nitric Oxide Synthase Polyclonal Antibody | anti-iNOS antibody

Inducible Nitric Oxide Synthase

CATALOG # AAA71522	HOST Rabbit	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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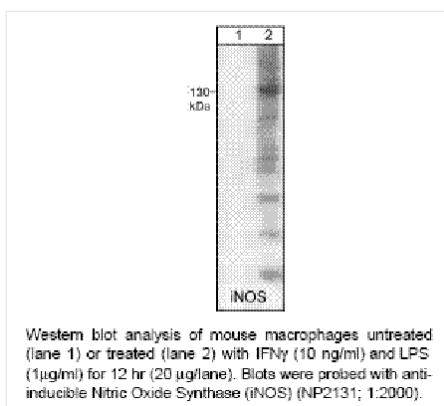
PRODUCT SYNONYMS

Inducible Nitric Oxide Synthase; Polyclonal Antibody; iNOS; NOS type II; Inducible nitric oxide synthase; Hepatocyte NOS; anti-iNOS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	The antibody detects a 130 kDa* protein on SDS-PAGE immunoblots of mouse macrophages treated with IFN γ and LPS.
Purity/Purification	Affinity Purified
Form/Format	Rabbit polyclonal, affinity-purified antibody is supplied in 100 μ l phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Sequence Length	1147
Applicable Applications for anti-iNOS antibody	WB (Western Blot), ELISA
Immunogen	Amino acid residues within the C-terminal region of human iNOS. The human iNOS sequence used has high homology with similar regions in rat and mouse iNOS.
Preparation and Storage	Store at -20 degree C. Do not aliquot. Stable for 1 year.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-iNOS antibody	Nitric oxide (NO) has a broad range of biological activities and is implicated in signaling pathways in phylogenetically diverse species. Nitric oxide synthases (NOS), the enzymes responsible for synthesis of NO, are homodimers whose monomers are themselves two fused enzymes: a cytochrome reductase and a cytochrome that requires three cosubstrates (L-arginine, NADPH, and O2) and five cofactors or prosthetic groups (FAD, FMN, calmodulin, tetrahydrobiopterin, and heme). Several distinct NOS isoforms are produced from three distinct genes. These include two constitutive Ca2+/CaM-dependent forms of NOS: nNOS (also designated bNOS, NOS-I), whose activity was first identified in neurons and eNOS (also designated ecNOS, NOS-III) first identified in endothelial cells. The inducible form of NOS, iNOS (also designated NOS-II), is Ca2+ independent and is expressed in a broad range of cell types. This form of NOS is induced after stimulation with cytokines and exposure to microbial products.
References	• Kleinert, H. et al. (2003) Biol Chem. 384(10-11):1343. • Xie, Q.W. et al. (1992) Science 256:225.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2935553
NCBI Accession #	AAC83553.1
NCBI GenBank Nucleotide #	AF049656.1
UniProt Accession #	Q06518; O35765; O35766; O60591; O60604; P97774; Q63267; Q64005; Q64558
Molecular Weight	130,628 Da
NCBI Official Full Name	inducible nitric oxide synthase
NCBI Official Symbol	iNOS
UniProt Protein Name	Nitric oxide synthase, inducible
UniProt Gene Name	Nos2
UniProt Entry Name	NOS2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/inducible-nitric-oxide-synthase-antibody-western-blot-elisa/71522>