

Rabbit anti-Mouse, Rat NOS2 Polyclonal Antibody | anti-NOS2 antibody

NOS2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280724	Rabbit	Mouse, Rat	Western Blot

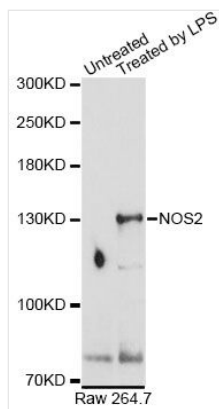
PRODUCT SYNONYMS

NOS2; Polyclonal Antibody; NOS2 Polyclonal Antibody; HEP-NOS; INOS; NOS; NOS2A; anti-NOS2 antibody

PRODUCT SPECIFICATIONS

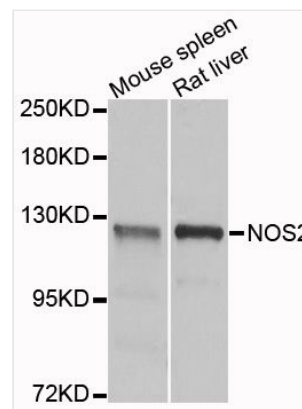
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	1153
Applicable Applications for anti-NOS2 antibody	WB (Western Blot)
Immunogen	Recombinant protein of human NOS2
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of Raw 264.7 cells, using NOS2 antibody at 1:1000 dilution. Raw 264.7 cells, untreated (left) or treated by LPS (1 ug/ml) for 8 hours (right). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using NOS2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-NOS2 antibody	Nitric Oxide Synthase (NOS) catalyses the formation of nitric oxide (NO) and citruline from L-arginine, oxygen and cofactors. Three family members have been characterized: neuronal NOS (nNOS), which is found primarily in neuronal tissue; inducible NOS (iNOS), which is induced by interferon gamma and lipopolysaccharides in the kidney and cardiovascular system; and endothelial NOS (eNOS), which is expressed in blood vessels (1). NO is a messenger molecule with diverse functions throughout the body including the maintenance of vascular integrity, homeostasis, synaptic plasticity, long-term potentiation, learning, and memory (2,3).Nitric oxide produced by iNOS is involved in host defense against protozoa, bacteria, fungi and viruses. Unlike constitutively expressed eNOS and nNos, iNOS is not usually expressed in quiescent cells. iNOS is transcriptionally induced in response to bacterial endotoxins such as LPS and proinflammatory cytokines in macrophages and various other cell types. Transcription factors involved in iNOS transcription include NF-kappaB, AP-1 and STAT. Different signaling pathways either promote (Jak1/2, PKC, c-Raf, p38 MAP kinase and p44/42 MAP kinase) or inhibit (PI3 kinase) iNOS expression depending on stimulus and cell type (4).
Product Categories/Family for anti-NOS2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	24041029
NCBI GeneID	4843
NCBI Accession #	NP_000616.3
NCBI GenBank Nucleotide #	NM_000625.4
UniProt Accession #	P35228; O60757; O94994; Q16263; Q16692; Q4TTS5; Q9UD42; A1L3U5; B7ZLY2
Molecular Weight	Calculated MW: 131kDa Molecular Weight: 1153
NCBI Official Full Name	nitric oxide synthase, inducible
NCBI Official Synonym Full Names	nitric oxide synthase 2
NCBI Official Symbol	NOS2
NCBI Official Synonym Symbols	NOS; INOS; NOS2A; HEP-NOS
NCBI Protein Information	nitric oxide synthase, inducible
UniProt Protein Name	Nitric oxide synthase, inducible
UniProt Gene Name	NOS2
UniProt Synonym Gene Names	NOS2A; HEP-NOS; Inducible NOS; iNOS
UniProt Entry Name	NOS2_HUMAN

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/nos2-antibody-western-blot-elisa/280724>