

Rabbit anti-Human NOS2/iNOS Polyclonal Antibody | anti-NOS2 antibody

NOS2/iNOS Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163189	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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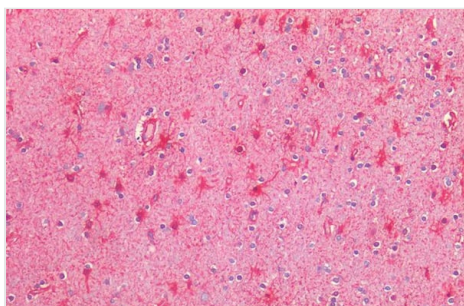
PRODUCT SYNONYMS

NOS2/iNOS; Polyclonal Antibody; NOS2/iNOS Rabbit anti-Human Polyclonal Antibody; PathPlus NOS2/iNOS Antibody; NOS2; Hepatocyte NOS; HEP-NOS; Inducible NOS; NOS; type II; NOS type II; Inducible NO synthase; NOS2A; iNOS; anti-NOS2 antibody

PRODUCT SPECIFICATIONS

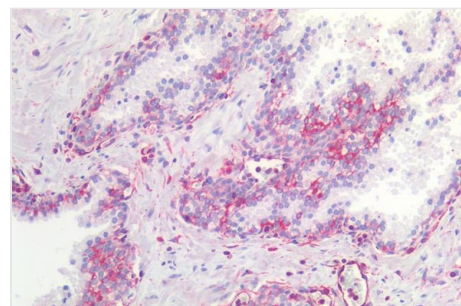
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-NOS2 antibody	IHC (Immunohistochemistry)
Target	Human NOS2/iNOS
Immunogen	LP-12133, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



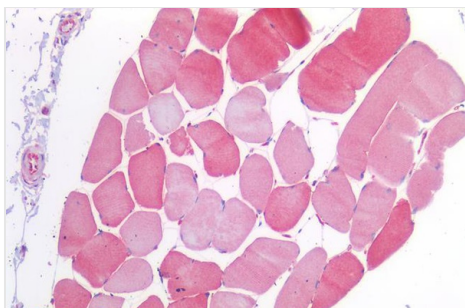
IHC (Immunohistochemistry)

NOS2/iNOS Antibody-Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

NOS2/iNOS Antibody-Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
NOS2/iNOS Antibody-Human Skeletal Muscle: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-NOS2 antibody	INOS antibody is an unconjugated rabbit polyclonal antibody to iNOS (NOS2) from human. Validated for IHC. NOS2 (iNOS, nitric oxide synthase 2, inducible) is a synthase for nitric oxide, a reactive free radical and messenger molecule that acts a biologic mediator in neurotransmission and antimicrobial/anti-cancer processes. In macrophages, nitric oxide mediates tumoricidal and bactericidal actions. It also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such COX2. In immunohistochemistry, NOS2 antibodies may be used to characterize epithelial injury and cells undergoing apoptosis in sites of inflammation. NOS2 may be useful in identifying liver diseases, as NOS2 has high expression in a number of pathologies and is involved in the etiology of liver fibrosis. Furthermore, antibodies to NOS2 may have utility in cancer: elevated levels of NOS2 have been found in cancers of the lung, colon, and prostate as well as in melanoma, glioblastoma and oral dysplasia, and high levels of NOS2 in cancers are generally correlated with poor prognosis. In normal tissue, NOS2 is positive in the gastrointestinal tract, appendix and urinary bladder.
References	Proc Natl Acad Sci USA. 90 (8): 3491 -5, PMID: 7682706; Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2000 Nov; 90(5):624-9, PMID: 11077387; Clin Cancer Res. 2000 Dec; 6(12):4768-75, PMID: 11156233; Med Oral Patol Oral Cir Bucal. 2014 May; 19(3): e242 -e247, PMID: 24316703; Arch Pathol Lab Med. 2009 Jan;133(1):97-100, PMID: 19123745; Clin Mol Hepatol. 2015 Dec; 21(4): 319 -325, PMID: 26770919;

NCBI AND UNIPROT INFORMATION

NCBI GI #	24041029
NCBI GeneID	4843
NCBI Accession #	NP_000616.3
NCBI GenBank Nucleotide #	NM_000625
UniProt Accession #	P35228; O60757; O94994; Q16263; Q16692; Q4TTS5; Q9UD42; A1L3U5; B7ZLY2
Molecular Weight	131,117 Da
NCBI Official Full Name	nitric oxide synthase, inducible
NCBI Official Synonym Full Names	nitric oxide synthase 2, inducible
NCBI Official Symbol	NOS2
NCBI Official Synonym Symbols	NOS; INOS; NOS2A; HEP-NOS
NCBI Protein Information	nitric oxide synthase, inducible; NOS type II; NOS, type II; inducible NOS; hepatocyte NOS; inducible NO synthase; nitric oxide synthase, macrophage; peptidyl-cysteine S-nitrosylase NOS2; nitric oxide synthase 2A (inducible, hepatocytes)
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-inos-antibody-immunohistochemistry-elisa/163189>