

Rabbit NOS3 / eNOS Polyclonal Antibody | anti-NOS3 antibody

Rabbit Polyclonal (IgG) to Human NOS3 / eNOS

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52139	Rabbit	Gorilla, Human, Monkey, Rabbit Predicted Reactivity: Mouse, Rat, Bovine, Guinea pig, Hamster (at least 90% immunogen sequence identity)	Western Blot, Immunohistochemistry

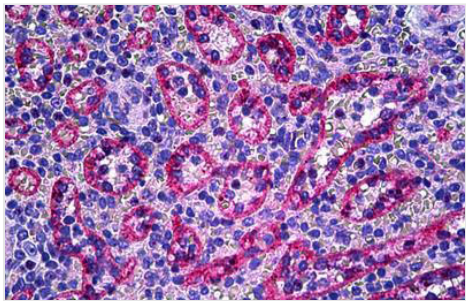
PRODUCT SYNONYMS

NOS3 / eNOS; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human NOS3 / eNOS; Anti-NOS3 / eNOS Antibody (aa1181-1194) IHC-plus; NOS3; Constitutive NOS; CNOS; Endothelial NOS; ECNOS; NOS type III; NOSIII; EC-NOS; ENOS; Nitric oxide synthase 3; Human NOS3; eNOS; anti-NOS3 antibody

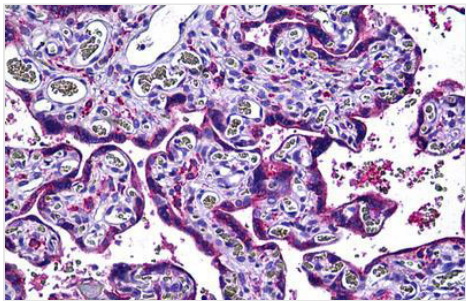
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Gorilla, Human, Monkey, Rabbit Predicted Reactivity: Mouse, Rat, Bovine, Guinea pig, Hamster (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Isotype	IgG
Specificity	Recognizes eNOS/NOS III, Mr ~135kD. Species cross-reactivity: Human and bovine. Predicted to cross-react with mouse, guinea pig, porcine, rat and canine based on sequence homology.
Purity/Purification	Protein A Purified
Form/Format	PBS, pH 7.6, 0.07% sodium azide, before the addition of glycerol to 30%
Concentration	1 mg/ml (varies by lot)
Sequence Length	1203
Applicable Applications for anti-NOS3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	KLH-conjugated, synthetic peptide corresponding to aa1181-1194 (C-QERQLRGAVPWAFD) of human eNOS/NOS III. The immunizing sequence has 10/11 identical amino acids in mouse, guinea pig, bovine, porcine, rat and canine.
Immunogen Type	Synthetic peptide - KLH conjugated
Immunogen	NOS3 / eNOS antibody was raised against KLH-conjugated, synthetic peptide corresponding to aa1181-1194 (C-QERQLRGAVPWAFD) of human eNOS/NOS III. The immunizing sequence has 10/11 identical amino acids in mouse, guinea pig, bovine, porcine, rat and canine. Percent identity by BLAST analysis: Human, Gorilla, Monkey, Elephant, Rabbit (100%); Mouse, Rat, Hamster, Panda, Bovine, Guinea pig (93%); Dog, Bat, Pig (86%).
Antigen Modification	aa1181-1194
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Anti-ENOS antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)
Anti-ENOS antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NOS3 antibody	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Multiple transcript variants encoding different isoforms have been found for this gene.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254422
NCBI GeneID	4846
NCBI Accession #	NP_000594.2
NCBI GenBank Nucleotide #	NM_000603.4
UniProt Accession #	P29474; Q13662; Q14251; Q14434; Q548C1; Q6GSL5; Q9UDC6; A0S0A7; A0S0A8; A8KA63; B2RCQ1; E9PFR2
Molecular Weight	67,876 Da
NCBI Official Full Name	nitric oxide synthase, endothelial isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 3 (endothelial cell)
NCBI Official Symbol	NOS3
NCBI Official Synonym Symbols	eNOS; ECNOS
NCBI Protein Information	nitric oxide synthase, endothelial; cNOS; EC-NOS; NOSIII; NOS type III; endothelial NOS; constitutive NOS; nitric oxide synthase 3 transcript variant eNOS-delta20; nitric oxide synthase 3 transcript variant eNOS-delta21; nitric oxide synthase 3 transcript variant eNOS-delta20-21
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_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.