NOS3 Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	NOS3, Polyclonal Antibody
Full Product Name	NOS3 (phospho Thr494) Polyclonal Antibody
Product Gene Name	anti-NOS3 antibody
Clonality	Polyclonal
Molecular Weight	67,862 Da
OMIM	163729
3D Structure	ModBase 3D Structure for P29474
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-NOS3 antibody	MBS8519970 is an antibody targeting NOS3. Also known as NOS3 (phospho Thr494) Polyclonal Antibody.
Other Notes	Small volumes of anti-NOS3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOS3. It may not necessarily be applicable to this product.

NCBI GI #	40254422
NCBI GeneID	4846
NCBI Accession #	NP_000594.2
UniProt Primary Accession #	P29474
UniProt Secondary Accession #	Q13662; Q14251; Q14434; Q548C1; Q6GSL5; Q9UDC6; A0S0A7; A0S0A8; A8KA63; B2RCQ1; E9PFR2
UniProt Related Accession #	P29474
GenBank Nucleotide #	NM_000603.4
NCBI Official Full Name	nitric oxide synthase, endothelial isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 3
NCBI Official Symbol	NOS3
NCBI Official Synonym Symbols	eNOS; ECNOS
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Synonym Protein Names	Constitutive NOS; cNOS; EC-NOS; Endothelial NOS; eNOS; NOS type III; NOSIII
Protein Family	Nitric oxide synthase
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
NCBI Protein Information	nitric oxide synthase, endothelial

NCBI Summary for NOS3	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. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016]
UniProt Comments for NOS3	Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.
Research Articles on NOS3	**1.** 27-bp VNTR polymorphism in intron 4 of eNOS gene polymorphism may be the significant risk factor for systemic lupus erythematosus in south Indian subjects.
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