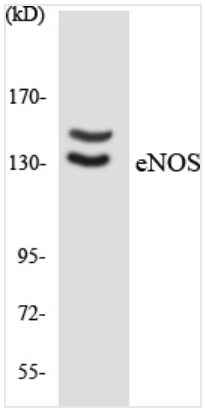
eNOS Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	eNOS, Polyclonal Antibody
Full Product Name	eNOS Antibody
Product Gene Name	anti-eNOS antibody
Product Synonym Gene Name	NOS3
Product Synonym Names	cNOS; Constitutive NOS; EC-NOS; ECNOS; Endothelial NOS; Nitric-oxide synthase endothelial; NOS type III; NOS3; NOSIII
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	eNOS Antibody detects endogenous levels of eNOS.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	133 kDa
OMIM	M93718 mRNA
3D Structure	ModBase 3D Structure for P29474
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human eNOS.
Immunogen Range	1126-1175
Applications Tested/Suitable for anti-eNOS antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-eNOS antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-eNOS antibody	MBS9509441 is an antibody targeting eNOS. Also known as eNOS Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-eNOS 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.



Western Blot (WB) of anti-eNOS antibody
Western blot analysis of the lysates from HepG2 cells using eNOS antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for eNOS. 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 eNOS	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 eNOS	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 eNOS	**1.** NOS3 tagSNPs influence the effects of enalapril in essential hypertension.

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