



Anti-NOS3 (aa 1181-1194) polyclonal antibody (DPABH-13182)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Synthetic peptide: QERQLRGAVPWAFD conjugated to KLH, corresponding to C terminal amino acids 1181-1194 of Human eNOS (NP_000594.2).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	pH: 7.20; Constituents: 69% PBS, 30% Glycerol, 0.5% BSA
Preservative	0.07% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	NOS3 nitric oxide synthase 4 (endothelial cell) [Homo sapiens]
Official Symbol	NOS3
Synonyms	NOS3; nitric oxide synthase 3 (endothelial cell); eNOS; ECNOS; 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;
Entrez Gene ID	4846
Protein Refseq	NP_000594.2
UniProt ID	P29474
Pathway	ACE Inhibitor Pathway; Angiogenesis; Arginine and proline metabolism; Calcium signaling pathway
Function	FMN binding; NADP binding; NADPH-hemoprotein reductase activity; actin monomer binding