



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

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| 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

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| 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 |