

NOS-3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250785

Unit: 0.1 mg

Description:

eNOS (Endothelial NOS) is a nitric oxide synthase enzyme, part of the Nitric oxide pathway. Nitric oxide synthases (NOS) are enzymes that catalyze the generation of nitric oxide (NO) from L-arginine and require nicotinamide adenine dinucleotide phosphate (NADPH) as a cofactor. At least three isoforms of NOS have been identified: neuronal NOS (nNOS), endothelial NOS (eNOS), and inducible NOS (iNOS). NOS-3 (eNOS, endothelial NOS) produces 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.

Isotype: Rabbit Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

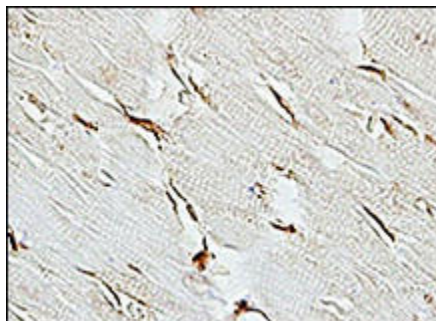
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: NOS-3; eNOS; Endothelial NOS; Nitric oxide synthase, endothelial; EC-NOS; NOS type III; NOSIII; Constitutive NOS; cNOS; NOS3

Accession No.: P29474

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NOS-3.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IF: 1:100-1:500



NOS-3 staining in rat heart. Formalin-fixed paraffin-embedded rat heart is stained with NOS-3 Antibody (Cat. No. 250785) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.