

NOS-1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250783

Unit: 0.1 mg

Description:

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 NOS isoforms have been identified: neuronal NOS (nNOS or NOS1 or bNOS), inducible NOS (iNOS or NOSII) and endothelial NOS (eNOS or NOS III). NOS-1 produces NO which is a messenger molecule with diverse functions throughout the body. NO behaves as a neurotransmitter in the brain and peripheral nervous system. Genetic variations of NOS1 gene are associated with susceptibility to infantile pyloric stenosis type 1 (IHPS1).

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

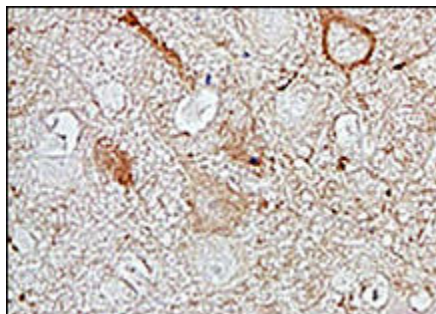
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Nitric oxide synthase, brain; bNOS; NOS type I; Neuronal NOS; N-NOS; nNOS; Constitutive NOS; NC-NOS; NOS1; NOS-1

Accession No.: P29475

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NOS1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:200-1:500



NOS-1 staining in rat brain. Formalin-fixed paraffin-embedded rat brain is stained with NOS-1 Antibody (Cat. No. 250783) 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.