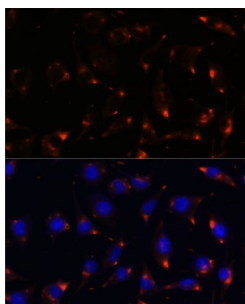


Nitric Oxide Synthase, Brain (NOS1) Antibody

Catalogue No.: abx001261



Immunofluorescence analysis of L929 cells using NOS1 Antibody (1/100 dilution). Blue: DAPI for nuclear staining.

NOS1 Antibody is a Rabbit Polyclonal antibody against NOS1. The protein encoded by this gene belongs to the family of nitric oxide synthases, which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many properties of a neurotransmitter, and has been implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally, alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.

| | |
|-------------------------------|---|
| Target: | Nitric Oxide Synthase, Brain (NOS1) |
| Clonality: | Polyclonal |
| Reactivity: | Mouse, Rat |
| Tested Applications: | IF/ICC |
| Host: | Rabbit |
| Recommended dilutions: | IF/ICC: 1/20 - 1/50. Optimal dilutions/concentrations should be determined by the end user. |
| Conjugation: | Unconjugated |
| Immunogen: | Recombinant fusion protein corresponding to human NOS1 |
| Isotype: | IgG |
| Form: | Liquid |
| Purification: | Purified by affinity chromatography. |
| Storage: | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |

Datasheet

Version: 3.0.0
Revision date: 10 Oct 2025



UniProt Primary AC: P29475 ([UniProt](#), [ExPASy](#))

Gene Symbol: NOS1

GeneID: [4842](#)

NCBI Accession: NP_000611.1

KEGG: hsa:4842

String: [9606.ENSP00000477999](#)

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only