

NOS1 Polyclonal Antibody

Catalog No.	A1485	Category	Polyclonal Antibodies
Applications	WB	Observed MW	160kDa
Cross-reactivity	Rat	Calculated MW	43kDa/125kDa/148kDa/160kDa/164kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human NOS1 (NP_000611.1).
Gene ID	4842
Swiss prot	P29475
Synonyms	NOS1; IHPS1; N-NOS; NC-NOS; NOS; bNOS; nNOS; nitric oxide synthase 1

Product information

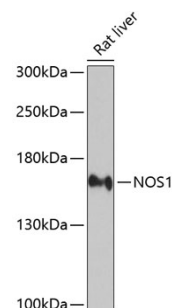
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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.

Recommended Dilutions

WB 1:500 -
1:2000



Western blot - NOS1 Polyclonal Antibody (A1485)