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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-nNOS (neuronal)/NOS1 Antibody Picoband® HRP Conjugated

Catalog Number: A01070-2-HRP

About NOS1

Nitric oxide synthase 1 (neuronal), also known as NOS1, is an enzyme that in humans is encoded by the NOS1 gene. 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.

Overview

Product Name	Anti-nNOS (neuronal)/NOS1 Antibody Picoband® HRP Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P29475

Technical Details

Immunogen	E.coli-derived human nNOS (neuronal)/NOS1 recombinant protein (Position: R19-E1320).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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2 Publications Citing This Product

1. PubMed ID: 10.1089/adt.2018.912, Protective and Modulatory Effects of Trapa bispinosa and Trigonella foenum-graecum on Neuroblastoma Cells Through Neuronal Nitric Oxide Synthase

2. PubMed ID: 10.1007/s11596-018-1904-3, Effects of Repetitive Transcranial Magnetic Stimulation on Astrocytes Proliferation and nNOS Expression in Neuropathic Pain Rats

Visit bosterbio.com/anti-nnos-neuronal-nos1-picoband-trade-antibody-a01070-2-boster.html to see all 2 publications.

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Anti-nNOS (neuronal)/NOS1 Antibody - HRP

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