

A12795

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NOS1 Rabbit pAb

Catalog No.: A12795

2 Publications

Basic Information

Observed MW

150kDa

Calculated MW

161kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Mouse,Rat

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 |
| IF/ICC | 1:20 - 1:50 |

Immunogen Information

Gene ID

4842

Swiss Prot

P29475

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human NOS1 (NP_000611.1).

Synonyms

NOS; bNOS; nNOS; IHPS1; N-NOS; NC-NOS; NOS1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

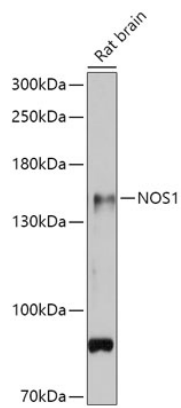
Affinity purification

Storage

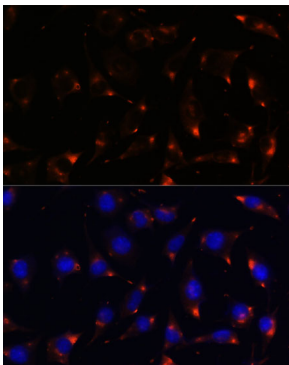
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of Rat brain, using NOS1 antibody (A12795) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunofluorescence analysis of L929 cells using NOS1 antibody (A12795) at dilution of 1:100. Blue: DAPI for nuclear staining.