

# NOS1 Polyclonal Antibody

Catalog Number: E-AB-70065

1 Publications



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

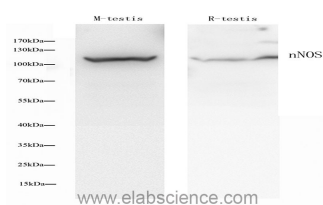
## Description

|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human, Mouse, Rat  |
| <b>Immunogen</b>    | KLH conjugated Synthetic peptide corresponding to Mouse nNOS               |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Affinity purification  |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Formulation</b>  | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |

## Applications Recommended Dilution

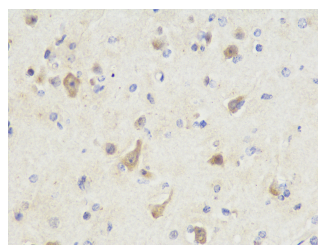
|            |              |
|------------|--------------|
| <b>WB</b>  | 1:500-1:2000 |
| <b>IHC</b> | 1:300-1:800  |

## Data

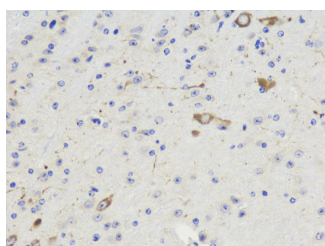


Western Blot analysis of various samples using NOS1 Polyclonal Antibody at dilution of 1:500.

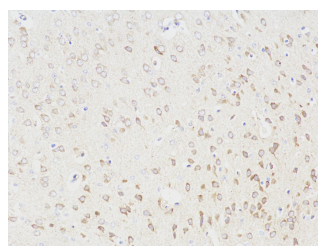
**Observed Mw:161kDa**  
**Calculated Mw:161kDa**



Immunohistochemistry analysis of paraffin-embedded Human brain cancer using NOS1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using NOS1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Rat brain using NOS1 Polyclonal Antibody at dilution of 1:300.

## Preparation & Storage

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

## 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

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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.

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