

NOS1 / nNOS Antibody (aa818-867)
Rabbit Polyclonal Antibody
Catalog # ALS16534**Specification**

NOS1 / nNOS Antibody (aa818-867) - Product Information

Application	IHC, IF, WB
Primary Accession	P29475
Other Accession	4842
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	160970

NOS1 / nNOS Antibody (aa818-867) - Additional Information**Gene ID** 4842**Other Names**

NOS1, BNOS, Constitutive NOS, IHPS1, NNOS, NC-NOS, Nitric oxide synthase, brain, N-NOS, Neuronal NOS, NOS, NOS type I, Nos, type i

Target/Specificity

nNOS Antibody detects endogenous levels of total nNOS protein.

Reconstitution & Storage

PBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol. Store at -20°C for up to one year.

Precautions

NOS1 / nNOS Antibody (aa818-867) is for research use only and not for use in diagnostic or therapeutic procedures.

NOS1 / nNOS Antibody (aa818-867) - Protein Information**Name** NOS1 ([HGNC:7872](#))**Function**

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such as SRR.

Cellular Location

Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q9Z0J4}; Peripheral membrane protein. Cell projection, dendritic spine {ECO:0000250|UniProtKB:P29476}. Note=In skeletal muscle, it is localized beneath the sarcolemma of fast-twitch muscle fiber by associating with the dystrophin

glycoprotein complex (By similarity) In neurons, enriched in dendritic spines (By similarity)
{ECO:0000250|UniProtKB:P29476, ECO:0000250|UniProtKB:Q9Z0J4}

Tissue Location

Isoform 1 is ubiquitously expressed: detected in skeletal muscle and brain, also in testis, lung and kidney, and at low levels in heart, adrenal gland and retina. Not detected in the platelets. Isoform 3 is expressed only in testis. Isoform 4 is detected in testis, skeletal muscle, lung, and kidney, at low levels in the brain, but not in the heart and adrenal gland

Volume

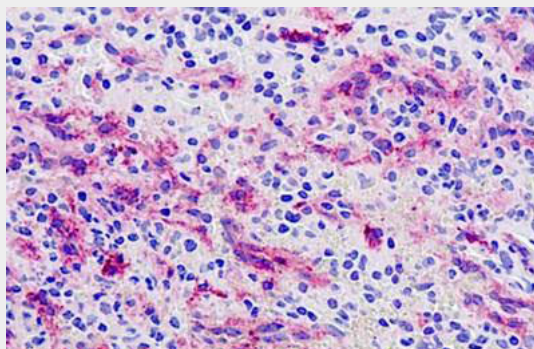
50 µl

NOS1 / nNOS Antibody (aa818-867) - Protocols

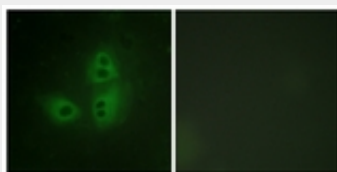
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

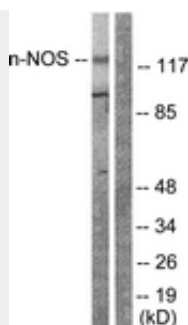
NOS1 / nNOS Antibody (aa818-867) - Images



Anti-NOS1 / nNOS antibody IHC staining of human spleen.



Immunofluorescence of HeLa cells, using nNOS (Ab-852) Antibody.



Western blot of extracts from Raw264.7 cells, treated with INF 2500u/ml 10', using nNOS (Ab-852)...

NOS1 / nNOS Antibody (aa818-867) - Background

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR.

NOS1 / nNOS Antibody (aa818-867) - References

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