

nNOS (neuronal) Antibody
Rabbit mAb
Catalog # AP90381**Specification****nNOS (neuronal) Antibody - Product Information**

Application	WB, IHC, FC, ICC, IP
Primary Accession	P29475
Reactivity	Rat
Clonality	Monoclonal

Other Names

bNOS; Constitutive NOS; IHPS1; N-NOS; NC-NOS; Neuronal NOS; nitric oxide synthase 1 (neuronal); Nitric oxide synthase, brain; nNOS; NOS; NOS type I; NOS1;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	160970 Da

nNOS (neuronal) Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human nNOS (neuronal)
Description	nNOS nitric oxide synthase 1, neuronal form. Produces nitric oxide which is a messenger molecule with diverse functions and displays many properties of a neurotransmitter in the brain and peripheral nervous system. May be an effector enzyme for the dystrophin complex.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

nNOS (neuronal) Antibody - 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 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

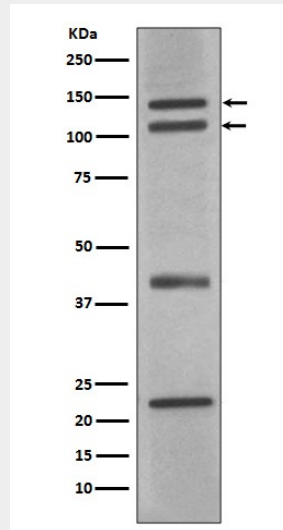
Isoform 1 is ubiquitously expressed: detected in skeletal muscle and brain, also in testis, lung and kidney, and at low levels in heart, adrenal gland and retina. Not detected in the platelets. Isoform 3 is expressed only in testis. Isoform 4 is detected in testis, skeletal muscle, lung, and kidney,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

nNOS (neuronal) Antibody - 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](#)

nNOS (neuronal) Antibody - Images



Western blot analysis of nNOS expression in Mouse brain cell lysate.