For Research Use Only

nNOS Polyclonal antibody, PBS Only

Catalog Number:18984-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
18984-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000620

GeneID (NCBI):
4842

UNIPROT ID:
P29475

Full Name:
nitric oxide synthase 1 (neuronal)

Calculated MW:
161 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
IHC, IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

nNOS belongs to the NOS family. nNOS 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. NO is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. NO is synthesized from L-arginine by nitric oxide synthases. nNOS is a nitric oxide synthase which is highly expressed in skeletal muscle. Genetic variations in nNOS gene are associated with susceptibility to infantile hypertrophic pyloric stenosis type 1 (IHPS1). The antibody can recognize isoform 1,2,4 of nNOS.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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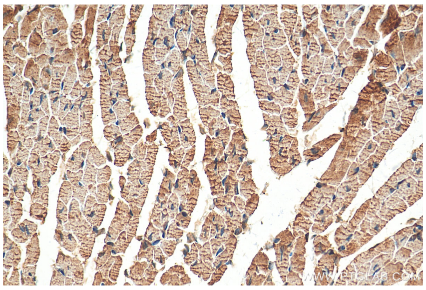
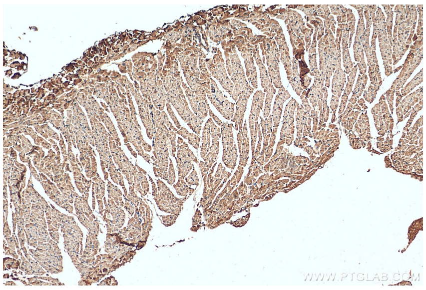
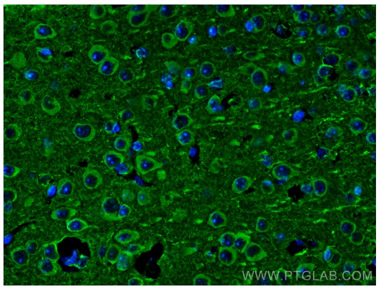
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 18984-1-AP (nNOS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18984-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 18984-1-AP (nNOS antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18984-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using nNOS antibody (18984-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 18984-1-PBS in a different storage buffer formulation.