

For Research Use Only

nNOS Polyclonal antibody

Catalog Number: 18984-1-AP **5 Publications**



Basic Information

Catalog Number: 18984-1-AP	GenBank Accession Number: NM_000620	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 4842	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P29475	
Isotype: IgG	Full Name: nitric oxide synthase 1 (neuronal)	
	Calculated MW: 161 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : mouse heart tissue, mouse kidney tissue, rat testis tissue, mouse brain tissue
Cited Applications: IHC	
Species Specificity: human, mouse, rat	
Cited Species: rat, mouse, pig, canine	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Lei Wu	32644793	ACS Chem Neurosci	
Alireza Badiei	34954206	Exp Eye Res	IHC
Tuling Li	37863413	Eur J Pharmacol	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

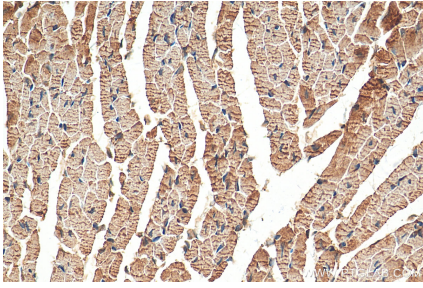
T: 4006900926

E: Proteintech-CN@ptglab.com

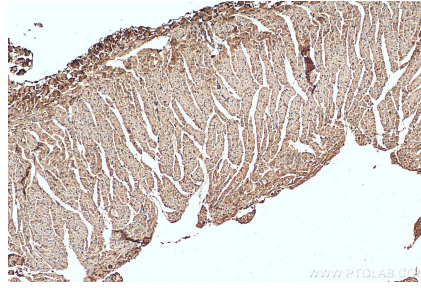
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Selected Validation Data



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).



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).