Datasheet for ABIN725585

anti-NOS1 antibody (AA 51-150)

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Overview

Quantity:	100 µL
Target:	NOS1
Binding Specificity:	AA 51-150
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NOS-1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	NOS1

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Target Details

Alternative Name:	nNos (NOS1 Products)
Background:	Synonyms: NOS, bNOS, nNOS, IHPS1, N-NOS, NC-NOS, Nitric oxide synthase, brain, Constitutive NOS, NOS type I, Neuronal NOS, Peptidyl-cysteine S-nitrosylase NOS1, NOS1 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.
Gene ID:	4842
UniProt:	P29475
Pathways:	Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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Publications

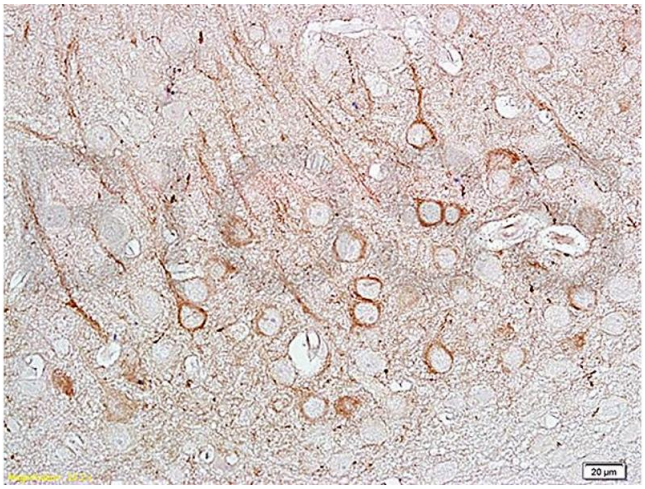
Product cited in:

Zhu, Zhao, Luo, Li: "Gastrointestinal dysfunction in a Parkinson's disease rat model and the changes of dopaminergic, nitric oxidergic, and cholinergic neurotransmitters in myenteric plexus." in: **Journal of molecular neuroscience : MN**, Vol. 47, Issue 1, pp. 15-25, (2012) (PubMed).

Zhang, Liao, Ju, Song, Liu: "Neurochemical plasticity of nitric oxide synthase isoforms in neurogenic detrusor overactivity after spinal cord injury." in: **Neurochemical research**, Vol. 36, Issue 10, pp. 1903-9, (2011) (PubMed).

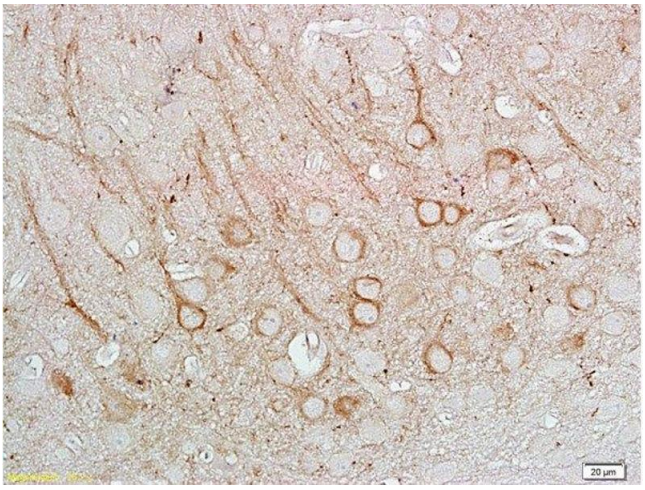
Wang, Yan, Zhao, Wu, Zhou: "The diversity of nNOS gene expression in avulsion-injured spinal motoneurons among laboratory rodents." in: **Nitric oxide : biology and chemistry / official journal of the Nitric Oxide Society**, Vol. 22, Issue 1, pp. 37-42, (2010) (PubMed).

Images



Immunohistochemistry

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2.