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Datasheet for ABIN7249462 anti-NOS1 antibody

4 Images



Overview

Quantity:	200 µL
Target:	NOS1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse nNOS
Isotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

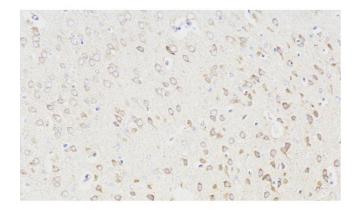
Target Details

Target:	NOS1
Alternative Name:	NOS1 (NOS1 Products)
Background:	The protein encoded by this gene belongs to the family of nitric oxide synthases, which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a
	biologic mediator in several processes, including neurotransmission, and antimicrobial and
	antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many

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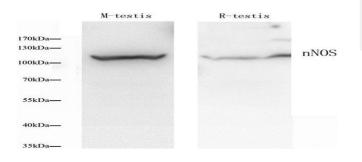
Target Details

	properties of a neurotransmitter, and has been implicated in neurotoxicity associated with stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally,
	alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.
Molecular Weight:	Observed_MW: 161 kDa Calculated_MW: 161 kDa
UniProt:	P29475, P29476, Q9Z0J4
Pathways:	Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction
Application Details	
Application Notes:	WB 1:500-1:2000, IHC 1:300-1:800
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	350 μg/mL
Buffer:	PBS with 0.02 % sodium azide, 1 % BSA and 50 % glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



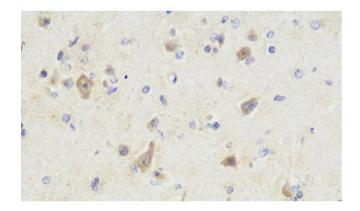
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis of paraffinembedded Rat brain using NOS1 Polyclonal Antibody at dilution of 1:300.



Western Blotting

Image 2. Western Blot analysis of various samples using NOS1 Polyclonal Antibody at dilution of 1:500.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry analysis of paraffinembedded Human brain cancer using NOS1 Polyclonal Antibody at dilution of 1:300.

Please check the product details page for more images. Overall 4 images are available for ABIN7249462.

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