



Datasheet for ABIN184662  
**anti-NOS1 antibody (C-Term)**



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13 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	NOS1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NOS1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS)

### Product Details

Purpose:	NOS1
Immunogen:	Peptide with sequence C-ESKKDTDEVFSS, from the C Terminus of the protein sequence according to NP_000611.1.
Sequence:	ESKKDTDEVF SS
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

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Target:	NOS1
Alternative Name:	NOS1 ( <a href="#">NOS1 Products</a> )
Background:	NOS1, nitric oxide synthase 1 (neuronal), NOS, neuronal nitric oxide synthase, PnNOS, penile neuronal nitric oxide synthase, penile neuronal NOS, IHPS1, nNOS, nitric oxide synthase 1, neuronal
Gene ID:	4842
NCBI Accession:	<a href="#">NP_000611</a> , <a href="#">NP_001191147</a> , <a href="#">NP_001191142</a>
Pathways:	<a href="#">Negative Regulation of Hormone Secretion, Myometrial Relaxation and Contraction</a>

## Application Details

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Application Notes:	Immunohistochemistry: Paraffin embedded Human Cortex. Recommended concentration: 6-8 µg/mL. Peptide ELISA: antibody detection limit dilution 1:1000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the plasma membrane and cytoplasm of HeLa cells. Recommended concentration: 10µg/ml. <b>Flow Cytometry:</b> Flow cytometric analysis of HeLa cells. Recommended con
Restrictions:	For Research Use only

## Handling

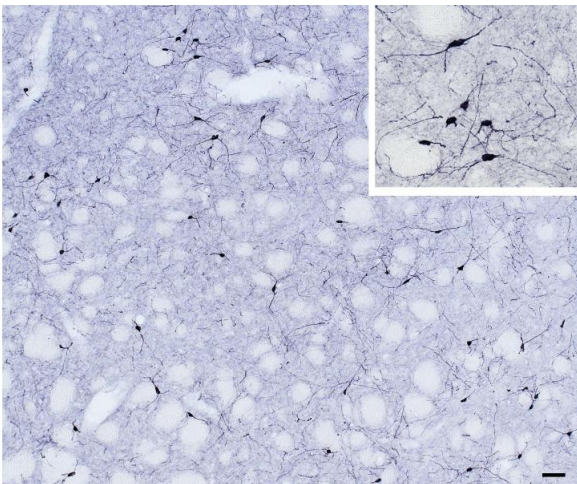
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Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in:

Fried, Kaupp, Müller: "Hyperpolarization-activated and cyclic nucleotide-gated channels are differentially expressed in juxtaglomerular cells in the olfactory bulb of mice." in: **Cell and tissue research**, Vol. 339, Issue 3, pp. 463-79, (2010) ([PubMed](#)).

Images



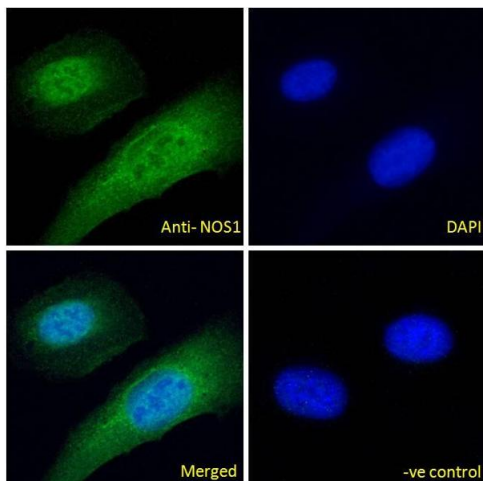
**Immunohistochemistry**

**Image 1.** (ABIN184662) (scale bar: 50 µm, inset: 20 µm) immunostaining of NOS1 neurons in cryosection of a perfusion-fixed (4 % PFA) mouse caudate-putamen. HRP-staining with Ni-DAB, after Biotin-SP-anti-goat (IgG) method. Data obtained by Drs. Eva Rumpler and Erik Hrabov



**Western Blotting**

**Image 2.** ABIN184662 (2µg/ml) staining of Human Frontal Cortex (A) and (1ug/ml) Brain Sub Ventricular Zone (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



**Immunohistochemistry**

**Image 3.** ABIN184662 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing nuclear and Plasma Membrane staining. The nuclear

## Images

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Please check the [product details page](#) for more images. Overall 13 images are available for ABIN184662.