

## Product Datasheet

### NOS1 Antibody (orb18337)

<b>Catalog Number</b>	orb18337
<b>Category</b>	Antibodies
<b>Description</b>	Goat polyclonal antibody to NOS1
<b>Target</b>	NOS1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Goat
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Predicted Reactivity</b>	Bovine, Canine, Mouse, Rat
<b>Buffer/Preservatives</b>	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Protein Sequence</b>	ESKKDTDEVFSS
<b>RRID</b>	AB_10754443
<b>MW</b>	161; 164.6; 125
<b>Tested applications</b>	ELISA, FC, IF, IHC
<b>Dilution range</b>	ELISA: 1:16000, IHC-P: 2.5µg/ml, IF/ICC: 10µg/ml, FACS: 10ug/ml

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**Application notes**

ELISA: Peptide ELISA: antibody detection limit dilution 1:64000. IHC: This product has been successfully used for IHC on Olfactory bulb in mice (PMID: 20140458) WB: Approx 160-170kDa band observed in Human Skeletal Muscle and Mouse Brain lysates (calculated MW of 161kDa according to NP\_000611.1). Recommended concentration: 0.3-1 µg/ml. Experiment Notes: Immunofluorescence: This product has been successfully used for IF as reported (PMID: 20140458).

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Note**

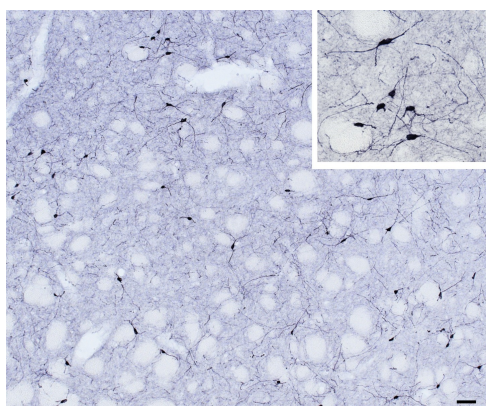
For research use only

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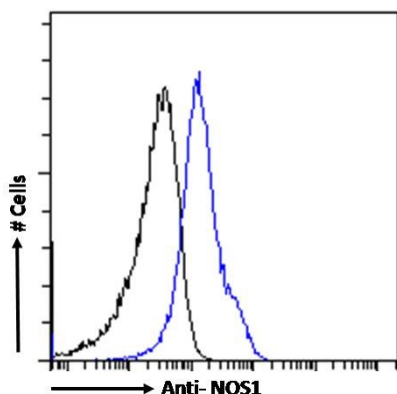
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**Expiration Date**

12 months from date of receipt.



Immunohistochemical staining of mouse caudate-putamen using NOS1 antibody



Flow cytometric analysis of Kelly cells using NOS1 antibody

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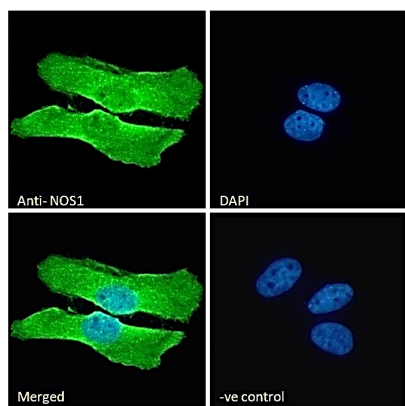
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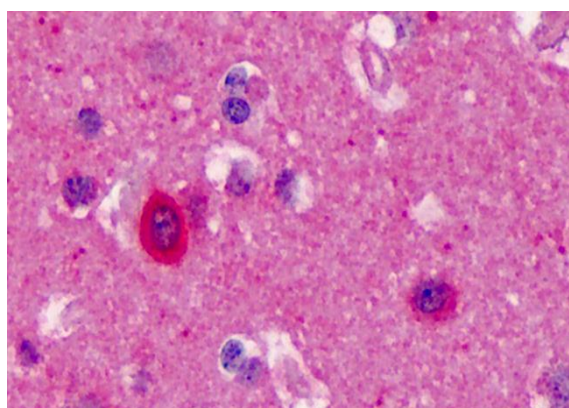
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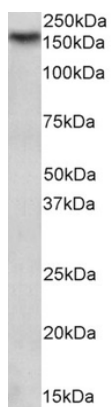
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Immunofluorescence analysis of HeLa cells using NOS1 antibody



Immunohistochemical staining of Human Cortex using NOS1 antibody



1  $\mu$ g/mL staining of Mouse Brain lysate (35  $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.

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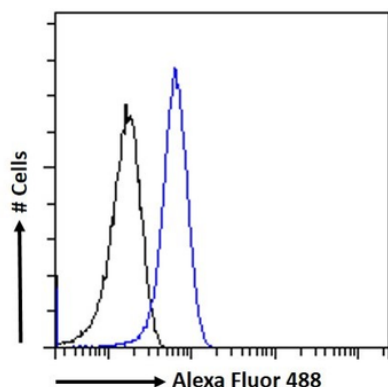
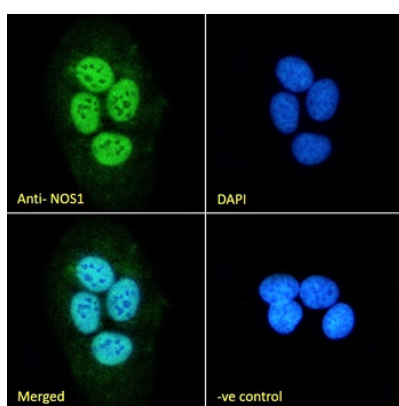
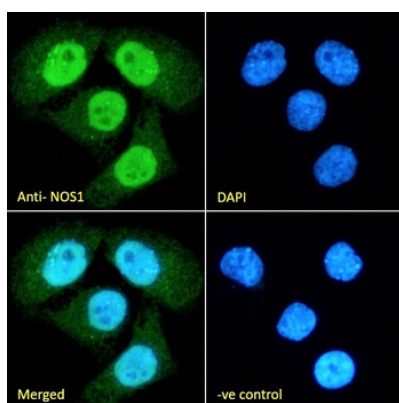
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Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1 hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).

Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1 hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL), showing nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (2 µg/mL).

Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1 hr (10 µg/mL) followed by Alexa Fluor 488 secondary antibody (1 µg/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

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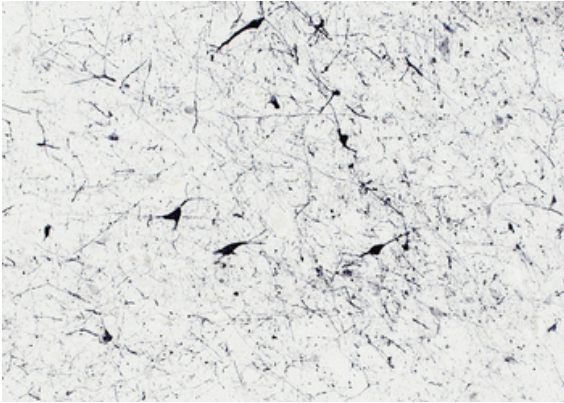
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Immunostaining of 30 µm thick cryosections of PFA-perfused Human Hypothalamus, antigen retrieval with citrate buffer Ph 6 at 80C for 30 min, HRP-staining with Ni-DAB after Biotin-SP-antigoat amplification.

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