

Resource Summary Report

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nNOS:N-Terminal (neuronal Nitric Oxide Synthase) Antibody

RRID:AB_572255

Type: Antibody

Proper Citation

ImmunoStar Cat# 24431, RRID:AB_572255

Antibody Information

URL: http://antibodyregistry.org/AB_572255

Proper Citation: ImmunoStar Cat# 24431, RRID:AB_572255

Target Antigen: Human nNOS (134-148)

Host Organism: rabbit

Clonality: polyclonal

Comments: Manufacturer Applications: Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Western Blot; Note, The ImmunoStar N-terminal neuronal nitric oxide synthase antiserum was quality control tested using standard immunohistochemical methods. The antiserum demonstrates strongly positive labeling of rat hypothalamus, striatum, cortex and spinal cord using indirect immunofluorescent and biotin/avidin-HRP techniques. Recommended primary dilutions are 1/1,000 - 1/2,000 in PBS/0.3% Triton X-100 - biotin/avidin-HRP. By Western blot analysis of brain homogenates the antibody specifically labels a band of approximately 155 kD. Immunolabeling is completely abolished by pre-adsorption with synthetic human nNOS (134-148) at 5 µg per mL of diluted antibody. No cross reactivity with other forms of NOS was observed.; Gene Symbol:

Antibody Name: nNOS:N-Terminal (neuronal Nitric Oxide Synthase) Antibody

Description: This polyclonal targets Human nNOS (134-148)

Target Organism: rat, mouse

Defining Citation: [PMID:16807372](#), [PMID:21280041](#), [PMID:16697052](#), [PMID:19105198](#), [PMID:22396407](#)

Antibody ID: AB_572255

Vendor: ImmunoStar

Catalog Number: 24431

Record Creation Time: 20250820T000136+0000

Record Last Update: 20250820T070902+0000

Ratings and Alerts

No rating or validation information has been found for nNOS:N-Terminal (neuronal Nitric Oxide Synthase) Antibody.

No alerts have been found for nNOS:N-Terminal (neuronal Nitric Oxide Synthase) Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Hunker AC, et al. (2025) Enhancer AAV toolbox for accessing and perturbing striatal cell types and circuits. *Neuron*, 113(10), 1507.

Sweet SR, et al. (2025) Postnatal hyperosmolality alters development of hypothalamic feeding circuits with context-specific changes in ingestive behavior. *iScience*, 28(5), 112284.

Sawai A, et al. (2022) PRC1 sustains the integrity of neural fate in the absence of PRC2 function. *eLife*, 11.

Guerra DD, et al. (2020) Protein kinase A facilitates relaxation of mouse ileum via phosphorylation of neuronal nitric oxide synthase. *British journal of pharmacology*, 177(12), 2765.

Georgescu T, et al. (2020) Neurochemical Characterization of Brainstem Pro-Opiomelanocortin Cells. *Endocrinology*, 161(4).

Prouty EW, et al. (2017) Neurochemical differences between target-specific populations of rat dorsal raphe projection neurons. *Brain research*, 1675, 28.