# Resource Summary Report

Generated by RRID on Jul 8, 2024

## Rabbit Anti-Nitric Oxide Synthase, Brain (251-270) Antibody, Unconjugated

RRID:AB_260795
Type: Antibody

### Proper Citation

(Sigma-Aldrich Cat# N7155, RRID:AB_260795)

### Antibody Information

**URL:** http://antibodyregistry.org/AB_260795

**Proper Citation:** (Sigma-Aldrich Cat# N7155, RRID:AB_260795)

**Target Antigen:** Nitric Oxide Synthase, Brain, aa 251-270

**Host Organism:** rabbit

**Clonality:** unknown

**Comments:** Vendor recommendations: Western Blot; Immunoblotting

**Antibody Name:** Rabbit Anti-Nitric Oxide Synthase, Brain (251-270) Antibody, Unconjugated

**Description:** This unknown targets Nitric Oxide Synthase, Brain, aa 251-270

**Target Organism:** human, rat

**Defining Citation:** PMID:22628122, PMID:20503422, PMID:19235216

**Antibody ID:** AB_260795

**Vendor:** Sigma-Aldrich

**Catalog Number:** N7155

**Record Creation Time:** 20231110T045125+0000

**Record Last Update:** 20240531T012042+0000

## Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Nitric Oxide Synthase, Brain (251-270) Antibody, Unconjugated.

Warning: ***Extracted Antibody Information:*** "It is well established that there is a large population of nNOS-expressing neurons in the IPN, which lies just ventral to the VTA and was therefore well suited to act as a positive control (Vincent and Kimura, 1992; Rodrigo et al., 1994; Ascoli et al., 2008). The first antibody (Sigma Aldrich; N7155; ***AB_260795***) failed to detect cell bodies and instead many processes were visible (Fig. 1A), which were also present in the nNOS-deficient tissue, suggesting that it was non-specific."

***Extracted Specificity Statement:*** "The first antibody (Sigma Aldrich; N7155; AB_260795) failed to detect cell bodies and instead many processes were visible (Fig. 1A), which were also present in the nNOS-deficient tissue, suggesting that it was non-***specific***. The second antibody (Cell Signaling; 4234; AB_10694499) displayed some sparse immunoreactivity “spots” that could be mistaken for cell bodies within the VTA and SNc (Fig."

Data was mined by Antibody Watch (https://arxiv.org/pdf/2008.01937.pdf), from ***PMID:30456293***
Vendor recommendations: Western Blot; Immunoblotting Warning: ***Extracted Antibody Information:*** "Representative images of double immunolabelling for nNOS (magenta) and TH (green). A, Anti-nNOS (Sigma Aldrich; N7155; ***AB_260795***)"

***Extracted Specificity Statement:*** "The first antibody (Sigma Aldrich; N7155; AB_260795) failed to detect cell bodies and instead many processes were visible (Fig. 1A), which were also present in the nNOS-deficient tissue, suggesting that it was non-***specific***. The second antibody (Cell Signaling; 4234; AB_10694499) displayed some sparse immunoreactivity “spots” that could be mistaken for cell bodies within the VTA and SNc (Fig."

Data was mined by Antibody Watch (https://arxiv.org/pdf/2008.01937.pdf), from ***PMID:30456293***
Vendor recommendations: Western Blot; Immunoblotting Warning: ***Extracted Antibody Information:*** "A, Anti-nNOS (Sigma Aldrich; N7155; ***AB_260795***)"

***Extracted Specificity Statement:*** "The first antibody (Sigma Aldrich; N7155; AB_260795) failed to detect cell bodies and instead many processes were visible (Fig. 1A), which were also present in the nNOS-deficient tissue, suggesting that it was non-***specific***. The second antibody (Cell Signaling; 4234; AB_10694499) displayed some sparse immunoreactivity “spots” that could be mistaken for cell bodies within the VTA and SNc (Fig."

Data was mined by Antibody Watch (https://arxiv.org/pdf/2008.01937.pdf), from ***PMID:30456293***
Vendor recommendations: Western Blot; Immunoblotting

## Data and Source Information

**Source:** Antibody Registry

## Usage and Citation Metrics

We found 8 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID.

Paul EJ, et al. (2018) nNOS-Expressing Neurons in the Ventral Tegmental Area and Substantia Nigra Pars Compacta. eNeuro, 5(5).

Riedemann T, et al. (2016) Immunocytochemical heterogeneity of somatostatin-expressing GABAergic interneurons in layers II and III of the mouse cingulate cortex: A combined immunofluorescence/design-based stereologic study. The Journal of comparative neurology, 524(11), 2281.

Weltzien F, et al. (2015) Analysis of bipolar and amacrine populations in marmoset retina. The Journal of comparative neurology, 523(2), 313.

Yetnikoff L, et al. (2015) Sources of input to the rostromedial tegmental nucleus, ventral tegmental area, and lateral habenula compared: A study in rat. The Journal of comparative neurology, 523(16), 2426.

Zahm DS, et al. (2013) On lateral septum-like characteristics of outputs from the accumbal hedonic "hotspot" of Peciña and Berridge with commentary on the transitional nature of basal forebrain "boundaries". The Journal of comparative neurology, 521(1), 50.

Zahm DS, et al. (2011) Inputs to the midbrain dopaminergic complex in the rat, with emphasis on extended amygdala-recipient sectors. The Journal of comparative neurology, 519(16), 3159.

Pang JJ, et al. (2010) Light responses and morphology of bNOS-immunoreactive neurons in the mouse retina. The Journal of comparative neurology, 518(13), 2456.

Jhou TC, et al. (2009) The mesopontine rostromedial tegmental nucleus: A structure targeted by the lateral habenula that projects to the ventral tegmental area of Tsai and substantia nigra compacta. The Journal of comparative neurology, 513(6), 566.