

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 18, 2025

Anti-Nitric Oxide Synthase, Brain (251-270) antibody produced in rabbit

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 (251-270) antibody produced in rabbit

Host Organism: rabbit

Clonality: polyclonal

Comments: Vendor recommendations: Western Blot; Other; immunoblotting: 1:10,000

Antibody Name: Anti-Nitric Oxide Synthase, Brain (251-270) antibody produced in rabbit

Description: This polyclonal targets Nitric Oxide Synthase Brain (251-270) antibody produced in rabbit

Target Organism: rat, human

Defining Citation: [PMID:22628122](#), [PMID:20503422](#), [PMID:19235216](#)

Antibody ID: AB_260795

Vendor: Sigma-Aldrich

Catalog Number: N7155

Record Creation Time: 20231110T081531+0000

Record Last Update: 20241115T045608+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Nitric Oxide Synthase, Brain (251-270) antibody produced in rabbit.

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; Other; immunoblotting: 1:10,000 **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; Other; immunoblotting: 1:10,000 **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; Other; immunoblotting: 1:10,000

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 [FDI Lab - SciCrunch.org](https://www.fdi-lab.com/sci-crunch.org).

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.