

Resource Summary Report

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NOS

RRID:AB_2314957

Type: Antibody

Proper Citation

(P.C. Emson - The Babraham Institute, Cambridge, UK Cat# nNOS, RRID:AB_2314957)

Antibody Information

URL: http://antibodyregistry.org/AB_2314957

Proper Citation: (P.C. Emson - The Babraham Institute, Cambridge, UK Cat# nNOS, RRID:AB_2314957)

Clonality: unknown

Comments: Consolidation on 7/2019: AB_2314963, AB_2314960, AB_2313797, AB_2313677, AB_2314957.

Antibody Name: NOS

Description: This unknown targets

Defining Citation: [PMID:18781620](#)

Antibody ID: AB_2314957

Vendor: P.C. Emson - The Babraham Institute, Cambridge, UK

Catalog Number: nNOS

Record Creation Time: 20231110T042042+0000

Record Last Update: 20241115T094443+0000

Ratings and Alerts

- Human colon Whole Mount technique staining in Myenteric plexus in Soma shows strong immunostaining. Human colon Whole Mount technique staining in Myenteric

plexus in Fibers shows strong immunostaining. Data provided by Brookes lab. -
Brookes et al. (2022) via SPARC
<https://sparc.science/resources/7Mlidjv3RIVrQ11hpBC8PK>

No alerts have been found for NOS .

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Humenick A, et al. (2024) Antibody elution with 2-me/SDS solution: Uses for multi-layer immunohistochemical analysis of wholemount preparations of human colonic myenteric plexus. *Heliyon*, 10(5), e26522.

Chen BN, et al. (2023) Types of Neurons in the Human Colonic Myenteric Plexus Identified by Multilayer Immunohistochemical Coding. *Cellular and molecular gastroenterology and hepatology*, 16(4), 573.

Di Natale MR, et al. (2022) Organisation of the musculature of the rat stomach. *Journal of anatomy*, 240(4), 711.

Hibberd TJ, et al. (2022) Quantification of CGRP-immunoreactive myenteric neurons in mouse colon. *The Journal of comparative neurology*, 530(18), 3209.

Miyamoto Y, et al. (2021) The habenula-targeting neurons in the mouse entopeduncular nucleus contain not only somatostatin-positive neurons but also nitric oxide synthase-positive neurons. *Brain structure & function*, 226(5), 1497.

Smith-Anttila CJA, et al. (2021) Spatiotemporal mapping of sensory and motor innervation of the embryonic and postnatal mouse urinary bladder. *Developmental biology*, 476, 18.

Smolilo DJ, et al. (2020) Intrinsic sensory neurons provide direct input to motor neurons and interneurons in mouse distal colon via varicose baskets. *The Journal of comparative neurology*, 528(12), 2033.

Humenick A, et al. (2019) Characterization of projections of longitudinal muscle motor neurons in human colon. *Neurogastroenterology and motility : the official journal of the European Gastrointestinal Motility Society*, 31(10), e13685.

López JM, et al. (2019) Organization of the catecholaminergic systems in two basal actinopterygian fishes, *Polypterus senegalus* and *Erpetoichthys calabaricus* (Actinopterygii:

Cladistia). The Journal of comparative neurology, 527(2), 437.

López JM, et al. (2019) Pattern of nitrergic cells and fibers organization in the central nervous system of the Australian lungfish, *Neoceratodus forsteri* (Sarcopterygii: Dipnoi). The Journal of comparative neurology, 527(11), 1771.

Smolilo DJ, et al. (2018) Morphological evidence for novel enteric neuronal circuitry in guinea pig distal colon. The Journal of comparative neurology, 526(10), 1662.

Morona R, et al. (2017) Gene expression analysis of developing cell groups in the pretectal region of *Xenopus laevis*. The Journal of comparative neurology, 525(4), 715.

Rollo BN, et al. (2016) Enteric Neural Cells From Hirschsprung Disease Patients Form Ganglia in Autologous Aneuronal Colon. Cellular and molecular gastroenterology and hepatology, 2(1), 92.

López JM, et al. (2016) Organization of the nitrergic neuronal system in the primitive bony fishes *Polypterus senegalus* and *Erpetoichthys calabaricus* (Actinopterygii: Cladistia). The Journal of comparative neurology, 524(9), 1770.

Hao MM, et al. (2013) Development of myenteric cholinergic neurons in ChAT-Cre;R26R-YFP mice. The Journal of comparative neurology, 521(14), 3358.

Joven A, et al. (2013) Expression patterns of Pax6 and Pax7 in the adult brain of a urodele amphibian, *Pleurodeles waltl*. The Journal of comparative neurology, 521(9), 2088.

Moreno N, et al. (2010) Subdivisions of the turtle *Pseudemys scripta subpallium* based on the expression of regulatory genes and neuronal markers. The Journal of comparative neurology, 518(24), 4877.