

Resource Summary Report

Generated by ASWG on Aug 9, 2026

Human ROBO3 Antibody

RRID:AB_2181865

Type: Antibody

Proper Citation

R and D Systems Cat# AF3076, RRID:AB_2181865

Antibody Information

URL: http://antibodyregistry.org/AB_2181865

Proper Citation: R and D Systems Cat# AF3076, RRID:AB_2181865

Target Antigen: ROBO3

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Immunohistochemistry

Antibody Name: Human ROBO3 Antibody

Description: This polyclonal targets ROBO3

Target Organism: Human

Antibody ID: AB_2181865

Vendor: R and D Systems

Catalog Number: AF3076

Alternative Catalog Numbers: AF3076-SP

Record Creation Time: 20250820T000123+0000

Record Last Update: 20250820T070842+0000

Ratings and Alerts

No rating or validation information has been found for Human ROBO3 Antibody.

No alerts have been found for Human ROBO3 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

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

Khot B, et al. (2025) miR-219a-Robo1 axis acts as a conserved switch for slit-mediated commissural axon guidance. iScience, 28(12), 114242.

Balekoglu N, et al. (2024) The WAVE regulatory complex interacts with Boc and is required for Shh-mediated axon guidance. iScience, 27(12), 111333.

Dumoulin A, et al. (2024) A cell-autonomous role for primary cilium-mediated signaling in long-range commissural axon guidance. Development (Cambridge, England), 151(17).

van de Haar LL, et al. (2022) Molecular signatures and cellular diversity during mouse habenula development. Cell reports, 40(1), 111029.

Moreno-Bravo JA, et al. (2022) Uncoupling axon guidance and neuronal migration in Robo3-deficient inferior olivary neurons. The Journal of comparative neurology, 530(16), 2868.

Chaudhari K, et al. (2021) Robo recruitment of the Wave regulatory complex plays an essential and conserved role in midline repulsion. eLife, 10.

Skarlatou S, et al. (2020) Afadin Signaling at the Spinal Neuroepithelium Regulates Central Canal Formation and Gait Selection. Cell reports, 31(10), 107741.

Roome RB, et al. (2020) Phox2a Defines a Developmental Origin of the Anterolateral System in Mice and Humans. Cell reports, 33(8), 108425.

Wu Z, et al. (2019) Long-Range Guidance of Spinal Commissural Axons by Netrin1 and Sonic Hedgehog from Midline Floor Plate Cells. Neuron, 101(4), 635.

Bonanomi D, et al. (2019) p190RhoGAP Filters Competing Signals to Resolve Axon Guidance Conflicts. Neuron, 102(3), 602.

Ferent J, et al. (2019) Boc Acts via Numb as a Shh-Dependent Endocytic Platform for Ptch1 Internalization and Shh-Mediated Axon Guidance. Neuron, 102(6), 1157.

Friocourt F, et al. (2019) Shared and differential features of Robo3 expression pattern in amniotes. The Journal of comparative neurology, 527(12), 2009.

Tulloch AJ, et al. (2019) Diverse spinal commissural neuron populations revealed by fate mapping and molecular profiling using a novel Robo3Cre mouse. The Journal of comparative neurology, 527(18), 2948.

Ferent J, et al. (2019) The Ciliary Protein Arl13b Functions Outside of the Primary Cilium in Shh-Mediated Axon Guidance. *Cell reports*, 29(11), 3356.

Moreno-Bravo JA, et al. (2019) Synergistic Activity of Floor-Plate- and Ventricular-Zone-Derived Netrin-1 in Spinal Cord Commissural Axon Guidance. *Neuron*, 101(4), 625.

Makihara S, et al. (2018) Polarized Dock Activity Drives Shh-Mediated Axon Guidance. *Developmental cell*, 46(4), 410.

Varadarajan SG, et al. (2017) Netrin1 Produced by Neural Progenitors, Not Floor Plate Cells, Is Required for Axon Guidance in the Spinal Cord. *Neuron*, 94(4), 790.

Belle M, et al. (2017) Tridimensional Visualization and Analysis of Early Human Development. *Cell*, 169(1), 161.