

Resource Summary Report

Generated by [RRID](#) on Jul 28, 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 [RRID](#) .

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

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).

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

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.

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.

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

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

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.

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.

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.