

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Mouse/Rat TrkC Antibody

RRID:AB_2155412

Type: Antibody

Proper Citation

R and D Systems Cat# AF1404, RRID:AB_2155412

Antibody Information

URL: http://antibodyregistry.org/AB_2155412

Proper Citation: R and D Systems Cat# AF1404, RRID:AB_2155412

Target Antigen: TrkC

Host Organism: Goat

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Immunohistochemistry, Blockade of Receptor-ligand Interaction

Antibody Name: Mouse/Rat TrkC Antibody

Description: This polyclonal targets TrkC

Target Organism: mouse

Defining Citation: [PMID:18752272](#), [PMID:21681751](#)

Antibody ID: AB_2155412

Vendor: R and D Systems

Catalog Number: AF1404

Alternative Catalog Numbers: AF1404-SP

Record Creation Time: 20250820T025202+0000

Record Last Update: 20250820T144343+0000

Ratings and Alerts

No rating or validation information has been found for Mouse/Rat TrkC Antibody.

No alerts have been found for Mouse/Rat TrkC Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Tumanov AV, et al. (2026) Lymphotoxin-beta receptor controls the development of chronic pain. Cell reports, 45(4), 117269.

Fernandez A, et al. (2025) Altered Primary Somatosensory Neuron Development in a Pten Heterozygous Model for Autism Spectrum Disorder. Autism research : official journal of the International Society for Autism Research, 18(11), 2192.

Magalhães J, et al. (2025) Rac1 inhibition prevents axonal cytoskeleton dysfunction in transthyretin amyloid polyneuropathy. Cell reports, 44(10), 116411.

Koui Y, et al. (2025) Local keratinocyte-nociceptor interactions enhance obesity-mediated painful small fiber neuropathy via NGF-TrkA-PI3K signaling axis. iScience, 28(3), 112047.

Passini FS, et al. (2025) Piezo2 in sensory neurons regulates systemic and adipose tissue metabolism. Cell metabolism, 37(4), 987.

Malapert P, et al. (2024) A novel Nav1.8-FLPo driver mouse for intersectional genetics to uncover the functional significance of primary sensory neuron diversity. iScience, 27(4), 109396.

Frezel N, et al. (2023) c-Maf-positive spinal cord neurons are critical elements of a dorsal horn circuit for mechanical hypersensitivity in neuropathy. Cell reports, 42(4), 112295.

Vermeiren S, et al. (2023) Prdm12 represses the expression of the visceral neuron determinants Phox2a/b in developing somatosensory ganglia. iScience, 26(12), 108364.

Vradenburgh SA, et al. (2023) Sexual dimorphism in the dorsal root ganglia of neonatal mice identified by protein expression profiling with single-cell mass cytometry. Molecular and cellular neurosciences, 126, 103866.

Fernandez A, et al. (2023) Intrinsic control of DRG sensory neuron diversification by Pten. bioRxiv : the preprint server for biology.

Liu S, et al. (2023) Generation of self-organized autonomic ganglion organoids from fibroblasts. iScience, 26(3), 106241.

Xie Z, et al. (2022) A brain-to-spinal sensorimotor loop for repetitive self-grooming. *Neuron*, 110(5), 874.

Keeler AB, et al. (2022) A developmental atlas of somatosensory diversification and maturation in the dorsal root ganglia by single-cell mass cytometry. *Nature neuroscience*, 25(11), 1543.

Gatto G, et al. (2021) A Functional Topographic Map for Spinal Sensorimotor Reflexes. *Neuron*, 109(1), 91.

Muzyka VV, et al. (2021) Genetic interplay between transcription factor Pou4f1/Brn3a and neurotrophin receptor Ret in retinal ganglion cell type specification. *Neural development*, 16(1), 5.

Targowska-Duda KM, et al. (2020) NOP receptor agonist attenuates nitroglycerin-induced migraine-like symptoms in mice. *Neuropharmacology*, 170, 108029.

Escalante A, et al. (2020) Spinal Inhibitory Ptf1a-Derived Neurons Prevent Self-Generated Itch. *Cell reports*, 33(8), 108422.

Bohic M, et al. (2020) Loss of bhlha9 Impairs Thermotaxis and Formalin-Evoked Pain in a Sexually Dimorphic Manner. *Cell reports*, 30(3), 602.

Zheng Y, et al. (2019) Deep Sequencing of Somatosensory Neurons Reveals Molecular Determinants of Intrinsic Physiological Properties. *Neuron*, 103(4), 598.

Paixão S, et al. (2019) Identification of Spinal Neurons Contributing to the Dorsal Column Projection Mediating Fine Touch and Corrective Motor Movements. *Neuron*, 104(4), 749.