

Resource Summary Report

Generated by [RRID](#) on Aug 10, 2026

Human/Mouse GFR alpha-2/GDNF R alpha-2 Antibody

RRID:AB_2294621

Type: Antibody

Proper Citation

R and D Systems Cat# AF429, RRID:AB_2294621

Antibody Information

URL: http://antibodyregistry.org/AB_2294621

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Target Antigen: GFR alpha-2/GDNF R alpha-2

Host Organism: Goat

Clonality: polyclonal

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

Antibody Name: Human/Mouse GFR alpha-2/GDNF R alpha-2 Antibody

Description: This polyclonal targets GFR alpha-2/GDNF R alpha-2

Target Organism: mouse, humanmouse, human

Defining Citation: [PMID:20533358](#), [PMID:19235905](#), [PMID:18085594](#)

Antibody ID: AB_2294621

Vendor: R and D Systems

Catalog Number: AF429

Alternative Catalog Numbers: AF429-SP

Record Creation Time: 20250820T014033+0000

Record Last Update: 20250820T113339+0000

Ratings and Alerts

No rating or validation information has been found for Human/Mouse GFR alpha-2/GDNF R alpha-2 Antibody.

No alerts have been found for Human/Mouse GFR alpha-2/GDNF R alpha-2 Antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Voisin T, et al. (2026) Skin inflammation and itch response are independently regulated by distinct nociceptor subsets. *Immunity*, 59(5), 1237.

Yun H, et al. (2025) The production of the chemokine CCL2 by corneal sensory neurons initiates anti-viral immunity at the cornea and trigeminal ganglion. *Cell reports*, 45(1), 116693.

Tower CA, et al. (2025) Maternal CENP-C restores centromere symmetry in mammalian zygotes to ensure proper chromosome segregation. *Developmental cell*.

Takahashi S, et al. (2023) Sensory neuronal STAT3 is critical for IL-31 receptor expression and inflammatory itch. *Cell reports*, 42(12), 113433.

Enamorado M, et al. (2023) Immunity to the microbiota promotes sensory neuron regeneration. *Cell*, 186(3), 607.

Messina DN, et al. (2022) Glial-derived neurotrophic factor regulates the expression of TREK2 in rat primary sensory neurons leading to attenuation of axotomy-induced neuropathic pain. *Experimental neurology*, 357, 114190.

Gadomski S, et al. (2022) A cholinergic neuroskeletal interface promotes bone formation during postnatal growth and exercise. *Cell stem cell*, 29(4), 528.

Marin-Bejar O, et al. (2021) Evolutionary predictability of genetic versus nongenetic resistance to anticancer drugs in melanoma. *Cancer cell*, 39(8), 1135.

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.

Zhang S, et al. (2021) Nonpeptidergic neurons suppress mast cells via glutamate to maintain skin homeostasis. *Cell*, 184(8), 2151.

Forrest SL, et al. (2015) Peripheral injury of pelvic visceral sensory nerves alters GFR?? (GDNF family receptor alpha) localization in sensory and autonomic pathways of the sacral spinal cord. *Frontiers in neuroanatomy*, 9, 43.