Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Mar 30, 2025

Rat GFR alpha-1/GDNF R alpha-1 Antibody

RRID:AB_2110307
Type: Antibody

Proper Citation

(R and D Systems Cat# AF560, RRID:AB_2110307)

Antibody Information

URL: http://antibodyregistry.org/AB_2110307

Proper Citation: (R and D Systems Cat# AF560, RRID:AB_2110307)

Target Antigen: GFR alpha-1/GDNF R alpha-1

Host Organism: Goat

Clonality: polyclonal

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

Antibody Name: Rat GFR alpha-1/GDNF R alpha-1 Antibody

Description: This polyclonal targets GFR alpha-1/GDNF R alpha-1

Target Organism: rat

Defining Citation: PMID:19937707, PMID:20533358, PMID:19235905, PMID:18085594

Antibody ID: AB_2110307

Vendor: R and D Systems

Catalog Number: AF560

Alternative Catalog Numbers: AF560-SP

Record Creation Time: 20241017T000304+0000

Record Last Update: 20241017T013757+0000

Ratings and Alerts

No rating or validation information has been found for Rat GFR alpha-1/GDNF R alpha-1 Antibody.

No alerts have been found for Rat GFR alpha-1/GDNF R alpha-1 Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Yang SH, et al. (2024) Activated dormant stem cells recover spermatogenesis in chemoradiotherapy-induced infertility. Cell reports, 43(8), 114582.

Wen Y, et al. (2024) hnRNPU is required for spermatogonial stem cell pool establishment in mice. Cell reports, 43(4), 114113.

Wiedmann NM, et al. (2024) An adeno-associated viral labeling approach to visualize the meso- and microanatomy of mechanosensory afferents and autonomic innervation of the rat urinary bladder. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 38(1), e23380.

Khan SS, et al. (2024) Loss of primary cilia and dopaminergic neuroprotection in pathogenic LRRK2-driven and idiopathic Parkinson's disease. bioRxiv : the preprint server for biology.

Anbarci DN, et al. (2023) Rediscovering the Rete Ovarii: a secreting auxiliary structure to the ovary. bioRxiv : the preprint server for biology.

Whiley PAF, et al. (2023) Spermatogonial fate in mice with increased activin A bioactivity and testicular somatic cell tumours. Frontiers in cell and developmental biology, 11, 1237273.

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

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.

Nakamura Y, et al. (2021) Transient suppression of transplanted spermatogonial stem cell differentiation restores fertility in mice. Cell stem cell, 28(8), 1443.

Nakagawa T, et al. (2021) A multistate stem cell dynamics maintains homeostasis in mouse spermatogenesis. Cell reports, 37(3), 109875.

Huang Y, et al. (2021) Glial cell line-derived neurotrophic factor increases matrix metallopeptidase 9 and 14 expression in microglia and promotes microglia-mediated glioma progression. Journal of neuroscience research, 99(4), 1048.

Mori Y, et al. (2021) Cdc42 is required for male germline niche development in mice. Cell reports, 36(7), 109550.

Faisal I, et al. (2019) Transcription Factor USF1 Is Required for Maintenance of Germline Stem Cells in Male Mice. Endocrinology, 160(5), 1119.

Kitadate Y, et al. (2019) Competition for Mitogens Regulates Spermatogenic Stem Cell Homeostasis in an Open Niche. Cell stem cell, 24(1), 79.

Bonafina A, et al. (2019) GDNF and GFR?1 Are Required for Proper Integration of Adult-Born Hippocampal Neurons. Cell reports, 29(13), 4308.

Guo J, et al. (2017) Chromatin and Single-Cell RNA-Seq Profiling Reveal Dynamic Signaling and Metabolic Transitions during Human Spermatogonial Stem Cell Development. Cell stem cell, 21(4), 533.

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.

Jankowski MP, et al. (2014) Age-dependent sensitization of cutaneous nociceptors during developmental inflammation. Molecular pain, 10, 34.

Keast JR, et al. (2010) Sciatic nerve injury in adult rats causes distinct changes in the central projections of sensory neurons expressing different glial cell line-derived neurotrophic factor family receptors. The Journal of comparative neurology, 518(15), 3024.

Kiasalari Z, et al. (2010) Identification of perineal sensory neurons activated by innocuous heat. The Journal of comparative neurology, 518(2), 137.