Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Jun 4, 2024

Anti-RGS14 Antibody

RRID:AB_2179931
Type: Antibody

Proper Citation

(Antibodies Incorporated Cat# 75-170, RRID:AB_2179931)

Antibody Information

URL: http://antibodyregistry.org/AB_2179931

Proper Citation: (Antibodies Incorporated Cat# 75-170, RRID:AB_2179931)

Target Antigen: RGS14

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IB, ICC, IHC, KO, WB
Validation status: IF or IB (Pass), IB in brain (Pass), IHC in brain (Pass), KO (Pass)
This clone is associated with these products: purified (Antibodies Incorporated, Cat# 75-170, RRID:AB_2179931), supernatant (Antibodies Incorporated, Cat# 73-170, RRID:AB_10698026), hybridoma (UC Davis/NIH NeuroMab Facility, Cat# N133/21, RRID:AB_2877352)

Antibody Name: Anti-RGS14 Antibody

Description: This monoclonal targets RGS14

Target Organism: human, mouse, rat

Clone ID: N133/21

Antibody ID: AB_2179931

Vendor: Antibodies Incorporated

Catalog Number: 75-170

Ratings and Alerts

No rating or validation information has been found for Anti-RGS14 Antibody.

No alerts have been found for Anti-RGS14 Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Oakley RH, et al. (2024) Imbalanced glucocorticoid and mineralocorticoid stress hormone receptor function has sex-dependent and independent regulatory effects in the mouse hippocampus. Neurobiology of stress, 28, 100589.

Diethorn EJ, et al. (2023) Postnatal development of hippocampal CA2 structure and function during the emergence of social recognition of peers. Hippocampus, 33(3), 208.

Radzicki D, et al. (2023) Morphological and molecular markers of mouse area CA2 along the proximodistal and dorsoventral hippocampal axes. Hippocampus, 33(3), 133.

Takemoto M, et al. (2023) Dissection of insular cortex layer 5 reveals two sublayers with opposing modulatory roles in appetitive drinking behavior. iScience, 26(6), 106985.

Whitebirch AC, et al. (2023) Reduced Cholecystokinin-Expressing Interneuron Input Contributes to Disinhibition of the Hippocampal CA2 Region in a Mouse Model of Temporal Lobe Epilepsy. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(41), 6930.

Shih YT, et al. (2023) An inhibitory circuit-based enhancer of DYRK1A function reverses Dyrk1a-associated impairment in social recognition. Neuron, 111(19), 3084.

Whitebirch AC, et al. (2022) Enhanced excitability of the hippocampal CA2 region and its contribution to seizure activity in a mouse model of temporal lobe epilepsy. Neuron, 110(19), 3121.

Lopez-Rojas J, et al. (2022) A direct lateral entorhinal cortex to hippocampal CA2 circuit conveys social information required for social memory. Neuron, 110(9), 1559.

Laham BJ, et al. (2021) Newborn mice form lasting CA2-dependent memories of their mothers. Cell reports, 34(4), 108668.

Suh J, et al. (2019) Loss of Ataxin-1 Potentiates Alzheimer's Pathogenesis by Elevating Cerebral BACE1 Transcription. Cell, 178(5), 1159.

Domínguez S, et al. (2019) Maturation of PNN and ErbB4 Signaling in Area CA2 during Adolescence Underlies the Emergence of PV Interneuron Plasticity and Social Memory. Cell reports, 29(5), 1099.

Farris S, et al. (2019) Hippocampal Subregions Express Distinct Dendritic Transcriptomes that Reveal Differences in Mitochondrial Function in CA2. Cell reports, 29(2), 522.

Salib M, et al. (2019) GABAergic Medial Septal Neurons with Low-Rhythmic Firing Innervating the Dentate Gyrus and Hippocampal Area CA3. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(23), 4527.

Tirko NN, et al. (2018) Oxytocin Transforms Firing Mode of CA2 Hippocampal Neurons. Neuron, 100(3), 593.

Basu R, et al. (2017) Heterophilic Type II Cadherins Are Required for High-Magnitude Synaptic Potentiation in the Hippocampus. Neuron, 96(1), 160.

Gong B, et al. (2016) Developing high-quality mouse monoclonal antibodies for neuroscience research - approaches, perspectives and opportunities. New biotechnology, 33(5 Pt A), 551.

Evans PR, et al. (2014) Postnatal developmental expression of regulator of G protein signaling 14 (RGS14) in the mouse brain. The Journal of comparative neurology, 522(1), 186.

Hitti FL, et al. (2014) The hippocampal CA2 region is essential for social memory. Nature, 508(7494), 88.

Vellano CP, et al. (2013) Assembly and function of the regulator of G protein signaling 14 (RGS14)·H-Ras signaling complex in live cells are regulated by G?i1 and G?i-linked G protein-coupled receptors. The Journal of biological chemistry, 288(5), 3620.

Lee SE, et al. (2010) RGS14 is a natural suppressor of both synaptic plasticity in CA2 neurons and hippocampal-based learning and memory. Proceedings of the National Academy of Sciences of the United States of America, 107(39), 16994.