

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on May 6, 2025

GFAP (C-19)

RRID:AB_641021

Type: Antibody

Proper Citation

(Santa Cruz Biotechnology Cat# sc-6170, RRID:AB_641021)

Antibody Information

URL: http://antibodyregistry.org/AB_641021

Proper Citation: (Santa Cruz Biotechnology Cat# sc-6170, RRID:AB_641021)

Target Antigen: GFAP

Host Organism: goat

Clonality: polyclonal

Comments: Discontinued: 2016; validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

Antibody Name: GFAP (C-19)

Description: This polyclonal targets GFAP

Target Organism: rat, mouse, human

Clone ID: C-19

Defining Citation: [PMID:18386786](#), [PMID:20127802](#)

Antibody ID: AB_641021

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-6170

Record Creation Time: 20231110T043657+0000

Record Last Update: 20241115T015630+0000

Ratings and Alerts

No rating or validation information has been found for GFAP (C-19).

Warning: Discontinued: 2016

Discontinued: 2016; validation status unknown check with seller; recommendations: ELISA; Immunofluorescence; Immunoprecipitation; Western Blot; Western Blotting, Immunoprecipitation, Immunofluorescence, ELISA

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 [FDI Lab - SciCrunch.org](#).

Yen S, et al. (2024) Investigating cerebral neurovascular responses to hyperglycemia in a rat model of type 2 diabetes using multimodal assessment techniques. iScience, 27(6), 110108.

Wang Y, et al. (2024) Topiramate suppresses peri-infarct spreading depolarization and improves outcomes in a rat model of photothrombotic stroke. iScience, 27(6), 110033.

Pelz L, et al. (2024) The IgCAM BT-IgSF (IgSF11) is essential for connexin43-mediated astrocyte-astrocyte coupling in mice. eNeuro, 11(3).

Yen S, et al. (2023) Revisiting the effects of exercise on cerebral neurovascular functions in rats using multimodal assessment techniques. iScience, 26(4), 106354.

Wu Y, et al. (2023) Hepatic soluble epoxide hydrolase activity regulates cerebral A β metabolism and the pathogenesis of Alzheimer's disease in mice. Neuron, 111(18), 2847.

Roda E, et al. (2023) Cognitive Healthy Aging in Mice: Boosting Memory by an Ergothioneine-Rich Hericium erinaceus Primordium Extract. Biology, 12(2).

Hsiao CC, et al. (2023) Osteopontin associates with brain TRM-cell transcriptome and compartmentalization in donors with and without multiple sclerosis. iScience, 26(1), 105785.

Fong BC, et al. (2022) The Rb/E2F axis is a key regulator of the molecular signatures instructing the quiescent and activated adult neural stem cell state. Cell reports, 41(5),

111578.

Roda E, et al. (2021) Neuroprotective Metabolites of *Herichium erinaceus* Promote Neuro-Healthy Aging. *International journal of molecular sciences*, 22(12).

Kantzer CG, et al. (2021) ACSA-2 and GLAST classify subpopulations of multipotent and glial-restricted cerebellar precursors. *Journal of neuroscience research*, 99(9), 2228.

Madeira D, et al. (2021) Association Between Adenosine A2A Receptors and Connexin 43 Regulates Hemichannels Activity and ATP Release in Astrocytes Exposed to Amyloid-? Peptides. *Molecular neurobiology*, 58(12), 6232.

Tonelli Gombalová Z, et al. (2020) Majority of cerebrospinal fluid-contacting neurons in the spinal cord of C57Bl/6N mice is present in ectopic position unlike in other studied experimental mice strains and mammalian species. *The Journal of comparative neurology*, 528(15), 2523.

Süß P, et al. (2020) Chronic Peripheral Inflammation Causes a Region-Specific Myeloid Response in the Central Nervous System. *Cell reports*, 30(12), 4082.

Vivinetto AL, et al. (2020) Zeb2 Is a Regulator of Astrogliosis and Functional Recovery after CNS Injury. *Cell reports*, 31(13), 107834.

Xiong W, et al. (2019) Astrocytic Epoxyeicosatrienoic Acid Signaling in the Medial Prefrontal Cortex Modulates Depressive-like Behaviors. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(23), 4606.

Hermanto Y, et al. (2019) Xeno-free culture for generation of forebrain oligodendrocyte precursor cells from human pluripotent stem cells. *Journal of neuroscience research*, 97(7), 828.

Zhang R, et al. (2019) Id4 Downstream of Notch2 Maintains Neural Stem Cell Quiescence in the Adult Hippocampus. *Cell reports*, 28(6), 1485.

Habib P, et al. (2019) EPO and TMBIM3/GRINA Promote the Activation of the Adaptive Arm and Counteract the Terminal Arm of the Unfolded Protein Response after Murine Transient Cerebral Ischemia. *International journal of molecular sciences*, 20(21).

Hermanto Y, et al. (2018) Transplantation of feeder-free human induced pluripotent stem cell-derived cortical neuron progenitors in adult male Wistar rats with focal brain ischemia. *Journal of neuroscience research*, 96(5), 863.

Lin LH, et al. (2018) Cellular Localization of Acid-Sensing Ion Channel 1 in Rat Nucleus Tractus Solitarii. *Cellular and molecular neurobiology*, 38(1), 219.