

Resource Summary Report

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GFAP antibody

RRID:AB_880202

Type: Antibody

Proper Citation

(Abcam Cat# ab53554, RRID:AB_880202)

Antibody Information

URL: http://antibodyregistry.org/AB_880202

Proper Citation: (Abcam Cat# ab53554, RRID:AB_880202)

Target Antigen: GFAP antibody

Host Organism: goat

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: ELISA, ICC/IF, IHC-Fr, IHC-FrFI, sELISA, WB; ELISA; Immunohistochemistry - frozen; Immunohistochemistry; Western Blot; Immunofluorescence; Immunocytochemistry

Antibody Name: GFAP antibody

Description: This polyclonal targets GFAP antibody

Target Organism: Human, Rat, Mouse

Antibody ID: AB_880202

Vendor: Abcam

Catalog Number: ab53554

Record Creation Time: 20231110T075653+0000

Record Last Update: 20241115T070659+0000

Ratings and Alerts

No rating or validation information has been found for GFAP antibody.

No alerts have been found for GFAP antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 109 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Clain J, et al. (2024) Metabolic disorders exacerbate the formation of glial scar after stroke. The European journal of neuroscience, 59(11), 3009.

Ren SY, et al. (2024) Growth hormone promotes myelin repair after chronic hypoxia via triggering pericyte-dependent angiogenesis. Neuron, 112(13), 2177.

Matuskova H, et al. (2024) Spatiotemporal sphingosine-1-phosphate receptor 3 expression within the cerebral vasculature after ischemic stroke. iScience, 27(6), 110031.

Ma Y, et al. (2024) Targeting blood brain barrier-Remote ischemic conditioning alleviates cognitive impairment in female APP/PS1 rats. CNS neuroscience & therapeutics, 30(2), e14613.

Litvinchuk A, et al. (2024) Amelioration of Tau and ApoE4-linked glial lipid accumulation and neurodegeneration with an LXR agonist. Neuron, 112(3), 384.

Pastor-Alonso O, et al. (2024) Generation of adult hippocampal neural stem cells occurs in the early postnatal dentate gyrus and depends on cyclin D2. The EMBO journal, 43(3), 317.

Packer JM, et al. (2024) Impaired cortical neuronal homeostasis and cognition after diffuse traumatic brain injury are dependent on microglia and type I interferon responses. Glia, 72(2), 300.

Meadows SM, et al. (2024) Hippocampal astrocytes induce sex-dimorphic effects on memory. Cell reports, 43(6), 114278.

Ševc J, et al. (2024) Comparative model of minimal spinal cord injury reveals a rather anti-inflammatory response in the lesion site as well as increased proliferation in the central canal lining in the neonates compared to the adult rats. Developmental neurobiology, 84(3), 169.

Crisci I, et al. (2024) Tamoxifen exerts direct and microglia-mediated effects preventing

neuroinflammatory changes in the adult mouse hippocampal neurogenic niche. *Glia*, 72(7), 1273.

Liu K, et al. (2024) The decreased astrocyte-microglia interaction reflects the early characteristics of Alzheimer's disease. *iScience*, 27(3), 109281.

Purvis EM, et al. (2024) A three-dimensional tissue-engineered rostral migratory stream as an in vitro platform for subventricular zone-derived cell migration. *Frontiers in bioengineering and biotechnology*, 12, 1410717.

Lee H, et al. (2023) ApoE4-dependent lysosomal cholesterol accumulation impairs mitochondrial homeostasis and oxidative phosphorylation in human astrocytes. *Cell reports*, 42(10), 113183.

Karreman MA, et al. (2023) Active Remodeling of Capillary Endothelium via Cancer Cell-Derived MMP9 Promotes Metastatic Brain Colonization. *Cancer research*, 83(8), 1299.

Shi G, et al. (2023) Astragaloside IV promotes cerebral angiogenesis and neurological recovery after focal ischemic stroke in mice via activating PI3K/Akt/mTOR signaling pathway. *Heliyon*, 9(12), e22800.

Guyer RA, et al. (2023) Single-cell multiome sequencing clarifies enteric glial diversity and identifies an intraganglionic population poised for neurogenesis. *Cell reports*, 42(3), 112194.

Otto-Dobos LD, et al. (2023) The role of microglia in 67NR mammary tumor-induced suppression of brain responses to immune challenges in female mice. *Journal of neurochemistry*.

Sha L, et al. (2023) LHPP-mediated inorganic pyrophosphate hydrolysis-driven lysosomal acidification in astrocytes regulates adult neurogenesis. *Cell reports*, 42(8), 112975.

Mathys H, et al. (2023) Single-cell atlas reveals correlates of high cognitive function, dementia, and resilience to Alzheimer's disease pathology. *Cell*, 186(20), 4365.

Tzioras M, et al. (2023) Human astrocytes and microglia show augmented ingestion of synapses in Alzheimer's disease via MFG-E8. *Cell reports. Medicine*, 4(9), 101175.