

Resource Summary Report

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Monoclonal Anti-Glial Fibrillary Acidic Protein (GFAP) antibody produced in mouse

RRID:AB_477010

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# G3893, RRID:AB_477010

Antibody Information

URL: http://antibodyregistry.org/AB_477010

Proper Citation: Sigma-Aldrich Cat# G3893, RRID:AB_477010

Target Antigen: GFAP

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: immunoblotting, immunocytochemistry, immunohistochemistry, indirect immunofluorescence, microarray

Antibody Name: Monoclonal Anti-Glial Fibrillary Acidic Protein (GFAP) antibody produced in mouse

Description: This monoclonal targets GFAP

Target Organism: rat, pig, human

Clone ID: [G-A-5]

Defining Citation: [PMID:19418545](#), [PMID:18335540](#), [PMID:21246554](#), [PMID:20533360](#), [PMID:18186028](#), [PMID:17348003](#), [PMID:21246550](#), [PMID:18668683](#), [PMID:20187137](#), [PMID:17183554](#), [PMID:21452199](#), [PMID:16680766](#), [PMID:18729150](#), [PMID:19330822](#), [PMID:18698599](#), [PMID:20575070](#), [PMID:19058188](#), [PMID:18236450](#), [PMID:17111374](#), [PMID:20437530](#), [PMID:18076058](#), [PMID:18300261](#), [PMID:16871537](#), [PMID:23224860](#), [PMID:19363795](#)

Antibody ID: AB_477010

Vendor: Sigma-Aldrich

Catalog Number: G3893

Record Creation Time: 20250819T233249+0000

Record Last Update: 20250820T054026+0000

Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-Glial Fibrillary Acidic Protein (GFAP) antibody produced in mouse.

No alerts have been found for Monoclonal Anti-Glial Fibrillary Acidic Protein (GFAP) antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 325 mentions in open access literature.

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

Abd-Elmawla MA, et al. (2025) Implication of Let7b/AhR/ARNT/HMGB1/RAGE cascade in neuroplasticity disturbances induced by glucocorticoids and the promising reversible effect of 3,3 diindolymethane: Bidirectional crosstalk of Aryl hydrocarbon receptors. *Biochemical pharmacology*, 232, 116692.

Xu J, et al. (2025) GPR37L1 identifies spinal cord astrocytes and protects neuropathic pain after nerve injury. *Neuron*, 113(8), 1206.

Peichl L, et al. (2025) Eye features and retinal photoreceptors of the nocturnal aardvark (*Orycteropus afer*, Tubulidentata). *PloS one*, 20(3), e0314252.

Matera A, et al. (2025) Microglial lipid phosphatase SHIP1 limits complement-mediated synaptic pruning in the healthy developing hippocampus. *Immunity*, 58(1), 197.

Bardy-Lagarde M, et al. (2025) Estradiol Promotes Myelin Repair in the Spinal Cord of Female Mice in a CXCR4 Chemokine Receptor-Independent Manner. *International journal of molecular sciences*, 26(10).

Vaquero-Rodríguez A, et al. (2025) Temporal progression of pathological features in an α -synuclein overexpression model of Parkinson's disease. *Brain structure & function*, 230(6), 91.

Emvalomenos GM, et al. (2025) Evidence for glial reactivity using positron-emission tomography imaging of translocator Protein-18 kD [TSPO] in both sham and nerve-injured rats in a preclinical model of orofacial neuropathic pain. *Neurobiology of pain* (Cambridge, Mass.), 17, 100175.

Masri RA, et al. (2025) Immunohistochemistry and Spatial Density of Müller Cells in the Human Fovea. *Investigative ophthalmology & visual science*, 66(2), 46.

Liu TT, et al. (2025) Activation of central and peripheral transient receptor potential melastatin 8 increases susceptibility to spreading depolarization and facilitates trigeminal neuroinflammation. *The journal of headache and pain*, 26(1), 55.

Taib B, et al. (2025) Insulin acts on astrocytes to shift their substrate preference to fatty acids. *iScience*, 28(4), 111642.

Martín-González AM, et al. (2025) Cooperative control of neuron-specific repressive chromatin states by intellectual-disability-linked KDM1A and KDM5C demethylases. *Cell reports*, 44(9), 116201.

Krishnapriya , et al. (2025) Gut dysbiosis leads to cognitive decline through CNTF-mediated activation of microglia in mice. *BMC biology*, 23(1), 355.

Chang YG, et al. (2025) Equilibrative nucleoside transporter 2 modulates inosine catabolism to influence astrocyte metabolism and reactivity. *Cell reports*, 44(10), 116420.

Qin Y, et al. (2025) Reduced mesencephalic astrocyte-derived neurotrophic factor expression by mutant androgen receptor contributes to neurodegeneration in a model of spinal and bulbar muscular atrophy pathology. *Neural regeneration research*, 20(9), 2655.

Grimes WN, et al. (2025) Layer-specific anatomical and physiological features of the retina's neurovascular unit. *Current biology : CB*, 35(1), 109.

Zhou W, et al. (2025) Specific neuroblast-derived signals control both cell migration and fate in the rostral migratory stream. *bioRxiv : the preprint server for biology*.

Ni RJ, et al. (2025) Behavioral, cellular, and molecular changes in two animal models of bipolar disorder mania: sleep deprivation-induced mice and Clock-mutant mice. *Cerebral cortex (New York, N.Y. : 1991)*, 35(5).

Bartkowska K, et al. (2025) CacyBP/SIP Protein Regulates the Length and Branching of Neuronal Processes During Cortical Development. *Journal of neurochemistry*, 169(6), e70115.

Given KS, et al. (2025) Complement inhibition rapidly blocks lesion extension and facilitates remyelination in neuromyelitis optica. *Acta neuropathologica communications*, 13(1), 129.

Chen Q, et al. (2025) SLC44A1 deficiency impedes myelin development in the central nervous system. *Cell reports*, 44(12), 116617.