

Resource Summary Report

Generated by [NIF](#) on Sep 3, 2026

Monoclonal Anti-Glial Fibrillary Acidic Protein antibody produced in mouse

RRID:AB_1840893

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# G6171, RRID:AB_1840893

Antibody Information

URL: http://antibodyregistry.org/AB_1840893

Proper Citation: Sigma-Aldrich Cat# G6171, RRID:AB_1840893

Target Antigen: Glial Fibrillary Acidic Protein antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG1 Immunocytochemistry; Western Blot; Immunofluorescence; Immunohistochemistry; indirect immunofluorescence: 2.5-5 mug/mL

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

Description: This monoclonal targets Glial Fibrillary Acidic Protein antibody produced in mouse

Target Organism: rat, porcine, pig, human

Defining Citation: [PMID:20575074](#)

Antibody ID: AB_1840893

Vendor: Sigma-Aldrich

Catalog Number: G6171

Record Creation Time: 20231110T072902+0000

Record Last Update: 20260901T025822+0000

Ratings and Alerts

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

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Li F, et al. (2026) Overexpression of the inwardly rectifying potassium channel Kir4.1 or Kir4.1 Tyr 9 Asp in Müller cells exerts neuroprotective effects in an experimental glaucoma model. *Neural regeneration research*, 21(4), 1628.

Burette AC, et al. (2026) Selective enrichment of TCF4 in GABAergic neurons during postnatal primate development. *Frontiers in neuroanatomy*, 20, 1720211.

Robbins A, et al. (2026) Goal-directed learning in cortical organoids. *Cell reports*, 45(2), 116984.

Gibbons GM, et al. (2026) A human corticospinal organoid-slice connectoid model informs enhancer strategies for post-injury axon regrowth. *Cell reports*, 45(6), 117399.

Li S, et al. (2025) Microglia mediated by LAG3 regulate astrocyte morphogenesis in the brain white matter. *Cell reports*, 44(8), 116112.

Ziff OJ, et al. (2025) Mutations in PSEN1 predispose inflammation in an astrocyte model of familial Alzheimer's disease through disrupted regulated intramembrane proteolysis. *Molecular neurodegeneration*, 20(1), 73.

Stedehouder J, et al. (2024) Rapid modulation of striatal cholinergic interneurons and dopamine release by satellite astrocytes. *Nature communications*, 15(1), 10017.

Gioia R, et al. (2023) Adult hippocampal neurogenesis and social behavioural deficits in the R451C Neuroligin3 mouse model of autism are reverted by the antidepressant fluoxetine. *Journal of neurochemistry*, 165(3), 318.

Merchán M, et al. (2023) Anatomy of hypothalamic and diencephalic nuclei involved in seasonal fertility regulation in ewes. *Frontiers in veterinary science*, 10, 1101024.

Hagemann TL, et al. (2023) STAT3 Drives GFAP Accumulation and Astrocyte Pathology in a Mouse Model of Alexander Disease. *Cells*, 12(7).

Jia X, et al. (2023) High-intensity swimming alleviates nociception and neuroinflammation in a mouse model of chronic post-ischemia pain by activating the resolvin E1-chemerin receptor 23 axis in the spinal cord. *Neural regeneration research*, 18(11), 2535.

Peixoto DO, et al. (2023) Increased alpha-synuclein and neuroinflammation in the substantia nigra triggered by systemic inflammation are reversed by targeted inhibition of the receptor for advanced glycation end products (RAGE). *Journal of neurochemistry*.

Vacca V, et al. (2023) Sex-specific adipose tissue's dynamic role in metabolic and inflammatory response following peripheral nerve injury. *iScience*, 26(10), 107914.

Rosko LM, et al. (2023) Cerebral Creatine Deficiency Affects the Timing of Oligodendrocyte Myelination. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(7), 1143.

Chen LQ, et al. (2023) Asymmetric activation of microglia in the hippocampus drives anxiodepressive consequences of trigeminal neuralgia in rodents. *British journal of pharmacology*, 180(8), 1090.

Zhang H, et al. (2023) MAP4Ks inhibition promotes retinal neuron regeneration from Müller glia in adult mice. *NPJ Regenerative medicine*, 8(1), 36.

Zhang ZW, et al. (2022) METTL3 regulates m6A methylation of PTCH1 and GLI2 in Sonic hedgehog signaling to promote tumor progression in SHH-medulloblastoma. *Cell reports*, 41(4), 111530.

Gupta B, et al. (2021) The transcription factor ZEB1 regulates stem cell self-renewal and cell fate in the adult hippocampus. *Cell reports*, 36(8), 109588.

Kang J, et al. (2021) Protocols for assessing neurodegenerative phenotypes in Alzheimer's mouse models. *STAR protocols*, 2(3), 100654.

Lee SH, et al. (2020) APP Family Regulates Neuronal Excitability and Synaptic Plasticity but Not Neuronal Survival. *Neuron*, 108(4), 676.