

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 11, 2026

Glutamine Synthetase

RRID:AB_397880

Type: Antibody

Proper Citation

BD Biosciences Cat# 610518, RRID:AB_397880

Antibody Information

URL: http://antibodyregistry.org/AB_397880

Proper Citation: BD Biosciences Cat# 610518, RRID:AB_397880

Target Antigen: Glutamine Synthetase

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Western blot

Antibody Name: Glutamine Synthetase

Description: This monoclonal targets Glutamine Synthetase

Target Organism: rat

Defining Citation: [PMID:23296739](#), [PMID:18399542](#)

Antibody ID: AB_397880

Vendor: BD Biosciences

Catalog Number: 610518

Record Creation Time: 20250820T030121+0000

Record Last Update: 20250820T150850+0000

Ratings and Alerts

No rating or validation information has been found for Glutamine Synthetase.

No alerts have been found for Glutamine Synthetase.

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 [SPARC SAWG](#) .

Ye A, et al. (2026) cxcl18b-defined transitional state-specific nitric oxide drives injury-induced Müller glia cell-cycle re-entry in the zebrafish retina. eLife, 14.

Sherman MS, et al. (2025) Harmonizing TUNEL with multiplexed iterative immunofluorescence enriches spatial contextualization of cell death. Cell reports methods, 5(5), 101047.

Tzouanas CN, et al. (2025) Hepatic adaptation to chronic metabolic stress primes tumorigenesis. Cell.

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

Toma K, et al. (2024) Perivascular neurons instruct 3D vascular lattice formation via neurovascular contact. Cell, 187(11), 2767.

Kálmán M, et al. (2023) Three-plane description of astroglial architecture and gliovascular connections of area postrema in rat: Long tanycyte connections to other parts of brainstem. The Journal of comparative neurology, 531(8), 866.

Bai X, et al. (2023) In the mouse cortex, oligodendrocytes regain a plastic capacity, transforming into astrocytes after acute injury. Developmental cell, 58(13), 1153.

Yugami M, et al. (2023) Sbp2l contributes to oligodendrocyte maturation through translational control in Tcf7l2 signaling. iScience, 26(12), 108451.

Zhao M, et al. (2023) Osteopontin drives retinal ganglion cell resiliency in glaucomatous optic neuropathy. Cell reports, 42(9), 113038.

Xin Y, et al. (2022) m6A epitranscriptomic modification regulates neural progenitor-to-glia cell transition in the retina. eLife, 11.

Gómez-Salinero JM, et al. (2022) Specification of fetal liver endothelial progenitors to functional zonated adult sinusoids requires c-Maf induction. Cell stem cell, 29(4), 593.

Masri RA, et al. (2021) Composition of the Inner Nuclear Layer in Human Retina. Investigative ophthalmology & visual science, 62(9), 22.

Cavino K, et al. (2021) Glucagon Receptor Inhibition Reduces Hyperammonemia and Lethality in Male Mice with Urea Cycle Disorder. Endocrinology, 162(1).

Lin B, et al. (2020) Retina Organoid Transplants Develop Photoreceptors and Improve Visual Function in RCS Rats With RPE Dysfunction. *Investigative ophthalmology & visual science*, 61(11), 34.

Katoozi S, et al. (2020) Functional specialization of retinal Müller cell endfeet depends on an interplay between two syntrophin isoforms. *Molecular brain*, 13(1), 40.

Riou R, et al. (2020) ARID1A loss in adult hepatocytes activates β -catenin-mediated erythropoietin transcription. *eLife*, 9.

Kálmán M, et al. (2019) Three-plane description of astroglial populations of OVLT subdivisions in rat: Tanycyte connections to distant parts of third ventricle. *The Journal of comparative neurology*, 527(17), 2793.

Clark BS, et al. (2019) Single-Cell RNA-Seq Analysis of Retinal Development Identifies NFI Factors as Regulating Mitotic Exit and Late-Born Cell Specification. *Neuron*, 102(6), 1111.

Alves CH, et al. (2019) CRB2 Loss in Rod Photoreceptors Is Associated with Progressive Loss of Retinal Contrast Sensitivity. *International journal of molecular sciences*, 20(17).

Weltzien F, et al. (2015) Analysis of bipolar and amacrine populations in marmoset retina. *The Journal of comparative neurology*, 523(2), 313.