Resource Summary Report

Generated by NIF on Jul 29, 2026

Glutamine Synthetase

RRID:AB_397879
Type: Antibody

Proper Citation

BD Biosciences Cat# 610517, RRID:AB_397879

Antibody Information

URL: http://antibodyregistry.org/AB_397879

Proper Citation: BD Biosciences Cat# 610517, RRID:AB_397879

Target Antigen: Glutamine Synthetase

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Western blot

Antibody Name: Glutamine Synthetase

Description: This monoclonal targets Glutamine Synthetase

Target Organism: rat

Defining Citation: PMID:21192079, PMID:17120293, PMID:18680202, PMID:18626943, PMID:18613120, PMID:17154255

Antibody ID: AB_397879

Vendor: BD Biosciences

Catalog Number: 610517

Record Creation Time: 20250820T000558+0000

Record Last Update: 20250820T072204+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 32 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Huang XY, et al. (2025) SETDB1 promotes mammalian liver regeneration by stimulating cytokine CSF3 in hepatocytes. Cell reports, 44(6), 115843.

Li S, et al. (2025) Glutamine synthetase modulates YAP activation by stabilizing LATS under glutamine homeostasis. Cell reports, 44(12), 116620.

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

Esperante IJ, et al. (2024) Testosterone Reduces Myelin Abnormalities in the Wobbler Mouse Model of Amyotrophic Lateral Sclerosis. Biomolecules, 14(4).

Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. Molecular brain, 17(1), 87.

Cai Y, et al. (2024) Downregulation of chloride voltage-gated channel 7 contributes to hyperalgesia following spared nerve injury. The Journal of biological chemistry, 300(10), 107779.

Ang CH, et al. (2024) Self-maintenance of zonal hepatocytes during adult homeostasis and their complex plasticity upon distinct liver injuries. Cell reports, 44(1), 115093.

Baytas O, et al. (2024) Loss of mitochondrial enzyme GPT2 leads to reprogramming of synaptic glutamate metabolism. bioRxiv : the preprint server for biology.

Keeley PW, et al. (2023) Nfia Is Critical for AII Amacrine Cell Production: Selective Bipolar Cell Dependencies and Diminished ERG. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(49), 8367.

Schulte A, et al. (2023) Unbiased analysis of the dorsal root ganglion after peripheral nerve injury: no neuronal loss, no gliosis, but satellite glial cell plasticity. Pain, 164(4), 728.

Meyer M, et al. (2023) Early Signs of Neuroinflammation in the Postnatal Wobbler Mouse Model of Amyotrophic Lateral Sclerosis. Cellular and molecular neurobiology, 43(5), 2149.

Albrecht NE, et al. (2022) Rapid 3D-STORM imaging of diverse molecular targets in tissue. Cell reports methods, 2(7), 100253.

Nakashima H, et al. (2021) MeCP2 controls neural stem cell fate specification through miR-199a-mediated inhibition of BMP-Smad signaling. Cell reports, 35(7), 109124.

Gehlen J, et al. (2021) Excitatory Amino Acid Transporter EAAT5 Improves Temporal Resolution in the Retina. eNeuro, 8(6).

Xu S, et al. (2021) TAZ inhibits glucocorticoid receptor and coordinates hepatic glucose homeostasis in normal physiological states. eLife, 10.

Ormel L, et al. (2020) GABA, but Not Bestrophin-1, Is Localized in Astroglial Processes in the Mouse Hippocampus and the Cerebellum. Frontiers in molecular neuroscience, 13, 135.

Chen F, et al. (2020) Broad Distribution of Hepatocyte Proliferation in Liver Homeostasis and Regeneration. Cell stem cell, 26(1), 27.

Qiu Z, et al. (2019) A Pharmacogenomic Landscape in Human Liver Cancers. Cancer cell, 36(2), 179.

Adebayo Michael AO, et al. (2019) Inhibiting Glutamine-Dependent mTORC1 Activation Ameliorates Liver Cancers Driven by ??-Catenin Mutations. Cell metabolism, 29(5), 1135.

Keeley PW, et al. (2018) DNER and NFIA are expressed by developing and mature AII amacrine cells in the mouse retina. The Journal of comparative neurology, 526(3), 467.