

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 27, 2025

Anti-Glutamine Synthetase antibody produced in rabbit

RRID:AB_259853

Type: Antibody

Proper Citation

(Sigma-Aldrich Cat# G2781, RRID:AB_259853)

Antibody Information

URL: http://antibodyregistry.org/AB_259853

Proper Citation: (Sigma-Aldrich Cat# G2781, RRID:AB_259853)

Target Antigen: Glutamine Synthetase

Host Organism: rabbit

Clonality: unknown

Comments: Vendor recommendations: Immunohistochemistry; Western Blot; Immunohistochemistry (formalin-fixed, paraffin-embedded), Immunoblotting

Antibody Name: Anti-Glutamine Synthetase antibody produced in rabbit

Description: This unknown targets Glutamine Synthetase

Target Organism: rat

Antibody ID: AB_259853

Vendor: Sigma-Aldrich

Catalog Number: G2781

Record Creation Time: 20241016T230052+0000

Record Last Update: 20241016T235158+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Glutamine Synthetase antibody produced in rabbit.

No alerts have been found for Anti-Glutamine Synthetase antibody produced in rabbit.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Rossetti GG, et al. (2024) In vivo DNA replication dynamics unveil aging-dependent replication stress. *Cell*, 187(22), 6220.

Riley VA, et al. (2023) Tsc2 coordinates neuroprogenitor differentiation. *iScience*, 26(12), 108442.

Hoehme S, et al. (2023) Digital twin demonstrates significance of biomechanical growth control in liver regeneration after partial hepatectomy. *iScience*, 26(1), 105714.

Balkaya M, et al. (2023) Conditional deletion of LRRC8A in the brain reduces stroke damage independently of swelling-activated glutamate release. *iScience*, 26(5), 106669.

Reyes-Ortega P, et al. (2022) Anorexia disrupts glutamate-glutamine homeostasis associated with astroglia in the prefrontal cortex of young female rats. *Behavioural brain research*, 420, 113715.

Bonilla-Pons SÀ, et al. (2022) Müller glia fused with adult stem cells undergo neural differentiation in human retinal models. *EBioMedicine*, 77, 103914.

Hu S, et al. (2022) Single-cell spatial transcriptomics reveals a dynamic control of metabolic zonation and liver regeneration by endothelial cell Wnt2 and Wnt9b. *Cell reports. Medicine*, 3(10), 100754.

Balouch B, et al. (2021) Conventional immunomarkers stain a fraction of astrocytes in vitro: A comparison of rat cortical and spinal cord astrocytes in naïve and stimulated cultures. *Journal of neuroscience research*, 99(3), 806.

Wilson CS, et al. (2021) Late adolescence mortality in mice with brain-specific deletion of the volume-regulated anion channel subunit LRRC8A. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 35(10), e21869.

Gianmoena K, et al. (2021) Epigenomic and transcriptional profiling identifies impaired glyoxylate detoxification in NAFLD as a risk factor for hyperoxaluria. *Cell reports*, 36(8), 109526.

Iwai H, et al. (2021) Tissue-resident M2 macrophages directly contact primary sensory neurons in the sensory ganglia after nerve injury. *Journal of neuroinflammation*, 18(1), 227.

Merienne N, et al. (2019) Cell-Type-Specific Gene Expression Profiling in Adult Mouse Brain Reveals Normal and Disease-State Signatures. *Cell reports*, 26(9), 2477.

Bott AJ, et al. (2019) Glutamine Anabolism Plays a Critical Role in Pancreatic Cancer by Coupling Carbon and Nitrogen Metabolism. *Cell reports*, 29(5), 1287.

Zhou Y, et al. (2019) Selective deletion of glutamine synthetase in the mouse cerebral cortex induces glial dysfunction and vascular impairment that precede epilepsy and neurodegeneration. *Neurochemistry international*, 123, 22.

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

Moon KH, et al. (2018) Differential Expression of NF2 in Neuroepithelial Compartments Is Necessary for Mammalian Eye Development. *Developmental cell*, 44(1), 13.

Hammoum I, et al. (2018) Retinal dysfunction parallels morphologic alterations and precede clinically detectable vascular alterations in Meriones shawi, a model of type 2 diabetes. *Experimental eye research*, 176, 174.