

Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

EAAT1 antibody

RRID:AB_304334

Type: Antibody

Proper Citation

(Abcam Cat# ab416, RRID:AB_304334)

Antibody Information

URL: http://antibodyregistry.org/AB_304334

Proper Citation: (Abcam Cat# ab416, RRID:AB_304334)

Target Antigen: EAAT1 antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Flow Cyt, ICC, IHC-FoFr, IHC-P, WB; Flow Cytometry; Immunohistochemistry - frozen; Immunohistochemistry; Immunocytochemistry; Immunohistochemistry - fixed; Other; Western Blot

Antibody Name: EAAT1 antibody

Description: This polyclonal targets EAAT1 antibody

Target Organism: rat, mouse, human

Defining Citation: [PMID:22791629](https://pubmed.ncbi.nlm.nih.gov/22791629/)

Antibody ID: AB_304334

Vendor: Abcam

Catalog Number: ab416

Record Creation Time: 20231110T081456+0000

Record Last Update: 20241115T052756+0000

Ratings and Alerts

No rating or validation information has been found for EAAT1 antibody.

No alerts have been found for EAAT1 antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Dillen L, et al. (2024) Generation of induced pluripotent stem cell lines from two unrelated patients affected by intellectual disability carrying homozygous variants in SGIP1. *Stem cell research*, 77, 103442.

Rieskamp JD, et al. (2023) Excitatory amino acid transporter 1 supports adult hippocampal neural stem cell self-renewal. *iScience*, 26(7), 107068.

Lahiri A, et al. (2023) Astrocytic deletion of protein kinase R-like ER kinase (PERK) does not affect learning and memory in aged mice but worsens outcome from experimental stroke. *Journal of neuroscience research*, 101(10), 1586.

Madeira D, et al. (2023) Modification of astrocytic Cx43 hemichannel activity in animal models of AD: modulation by adenosine A2A receptors. *Cellular and molecular life sciences : CMLS*, 80(11), 340.

Pan SM, et al. (2022) Thioredoxin interacting protein drives astrocytic glucose hypometabolism in corticosterone-induced depressive state. *Journal of neurochemistry*, 161(1), 84.

Madeira D, et al. (2022) Adenosine A2A receptors blockade attenuates dexamethasone-induced alterations in cultured astrocytes. *Purinergic signalling*, 18(2), 199.

Jones-Muhammad M, et al. (2022) Increased seizure sensitivity in pregnant mice with genetic knockdown of acid sensing ion channel 2a is associated with impaired hippocampal inflammatory response. *Frontiers in physiology*, 13, 983506.

Tedeschi A, et al. (2022) Harnessing cortical plasticity via gabapentinoid administration promotes recovery after stroke. *Brain : a journal of neurology*, 145(7), 2378.

Anastasaki C, et al. (2022) Generation of human induced pluripotent stem cell-derived cerebral organoids for cellular and molecular characterization. *STAR protocols*, 3(1), 101173.

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.

Iyer AA, et al. (2022) Cellular reprogramming with ATOH1, GF11, and POU4F3 implicate epigenetic changes and cell-cell signaling as obstacles to hair cell regeneration in mature mammals. *eLife*, 11.

Benito-Kwiecinski S, et al. (2021) An early cell shape transition drives evolutionary expansion of the human forebrain. *Cell*, 184(8), 2084.

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.

Morcom L, et al. (2021) DRAXIN regulates interhemispheric fissure remodelling to influence the extent of corpus callosum formation. *eLife*, 10.

Morcom L, et al. (2021) DCC regulates astroglial development essential for telencephalic morphogenesis and corpus callosum formation. *eLife*, 10.

Muñoz Y, et al. (2021) Light microscopic and heterogeneity analysis of astrocytes in the common marmoset brain. *Journal of neuroscience research*, 99(12), 3121.

Healey KL, et al. (2021) Effects of adolescent intermittent ethanol on hippocampal expression of glutamate homeostasis and astrocyte-neuronal tethering proteins in male and female rats. *Journal of neuroscience research*, 99(8), 1908.

Zhang RS, et al. (2020) Latrophilin-2 and latrophilin-3 are redundantly essential for parallel-fiber synapse function in cerebellum. *eLife*, 9.

Diniz LP, et al. (2020) Astrocyte glutamate transporters are increased in an early sporadic model of synucleinopathy. *Neurochemistry international*, 138, 104758.

Silva-Adaya D, et al. (2020) Early Neurotoxic Effects of Inorganic Arsenic Modulate Cortical GSH Levels Associated With the Activation of the Nrf2 and NF κ B Pathways, Expression of Amino Acid Transporters and NMDA Receptors and the Production of Hydrogen Sulfide. *Frontiers in cellular neuroscience*, 14, 17.