Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 30, 2025

Glutamate Receptor 1 (AMPA subtype) antibody

RRID:AB_2113447 Type: Antibody

Proper Citation

(Abcam Cat# ab31232, RRID:AB_2113447)

Antibody Information

URL: http://antibodyregistry.org/AB_2113447

Proper Citation: (Abcam Cat# ab31232, RRID:AB_2113447)

Target Antigen: GRIA1

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012:western blot, immunohistochemistry

Antibody Name: Glutamate Receptor 1 (AMPA subtype) antibody

Description: This polyclonal targets GRIA1

Target Organism: mouse, human

Antibody ID: AB_2113447

Vendor: Abcam

Catalog Number: ab31232

Record Creation Time: 20241017T001204+0000

Record Last Update: 20241017T015018+0000

Ratings and Alerts

No rating or validation information has been found for Glutamate Receptor 1 (AMPA subtype) antibody.

No alerts have been found for Glutamate Receptor 1 (AMPA subtype) antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 25 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Kawashima R, et al. (2024) Necl-1/CADM3 regulates cone synapse formation in the mouse retina. iScience, 27(4), 109577.

Misrani A, et al. (2024) Vibration-reduced anxiety-like behavior relies on ameliorating abnormalities of the somatosensory cortex and medial prefrontal cortex. Neural regeneration research, 19(6), 1351.

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

Pan YD, et al. (2024) Intermittent Hypobaric Hypoxia Ameliorates Autistic-Like Phenotypes in Mice. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(7).

Siemsen BM, et al. (2023) Heroin Self-Administration and Extinction Increase Prelimbic Cortical Astrocyte-Synapse Proximity and Alter Dendritic Spine Morphometrics That Are Reversed by N-Acetylcysteine. Cells, 12(14).

Cui X, et al. (2022) Identification and characterization of long non-coding RNA Carip in modulating spatial learning and memory. Cell reports, 38(8), 110398.

Teng XY, et al. (2022) A novel Lgi1 mutation causes white matter abnormalities and impairs motor coordination in mice. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 36(3), e22212.

Hwang H, et al. (2021) Cyclin Y, a novel actin-binding protein, regulates spine plasticity through the cofilin-actin pathway. Progress in neurobiology, 198, 101915.

Liu H, et al. (2021) Valproic Acid Induces Autism-Like Synaptic and Behavioral Deficits by Disrupting Histone Acetylation of Prefrontal Cortex ALDH1A1 in Rats. Frontiers in neuroscience, 15, 641284.

Zhan JQ, et al. (2021) Flavonoid fisetin reverses impaired hippocampal synaptic plasticity and cognitive function by regulating the function of AMPARs in a male rat model of schizophrenia. Journal of neurochemistry, 158(2), 413.

Pohlkamp T, et al. (2021) NHE6 depletion corrects ApoE4-mediated synaptic impairments and reduces amyloid plaque load. eLife, 10.

Bieler M, et al. (2021) Changes in concentrations of NMDA receptor subunit GluN2B, Arc and syntaxin-1 in dorsal hippocampus Schaffer collateral synapses in a rat learned helplessness model of depression. The Journal of comparative neurology, 529(12), 3194.

Han JK, et al. (2021) Ablation of STAT3 in Purkinje cells reorganizes cerebellar synaptic plasticity in long-term fear memory network. eLife, 10.

Zhu YB, et al. (2020) Activation of CaMKII and GluR1 by the PSD-95-GluN2B Coupling-Dependent Phosphorylation of GluN2B in the Spinal Cord in a Rat Model of Type-2 Diabetic Neuropathic Pain. Journal of neuropathology and experimental neurology, 79(7), 800.

Tang S, et al. (2019) Altered NMDAR signaling underlies autistic-like features in mouse models of CDKL5 deficiency disorder. Nature communications, 10(1), 2655.

Qin XH, et al. (2019) Liver Soluble Epoxide Hydrolase Regulates Behavioral and Cellular Effects of Chronic Stress. Cell reports, 29(10), 3223.

Sears SMS, et al. (2019) Decreased epileptogenesis in mice lacking the System xc - transporter occurs in association with a reduction in AMPA receptor subunit GluA1. Epilepsia open, 4(1), 133.

Yennawar M, et al. (2019) AMPA Receptor Dysregulation and Therapeutic Interventions in a Mouse Model of CDKL5 Deficiency Disorder. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(24), 4814.

Xian X, et al. (2018) Reversal of ApoE4-induced recycling block as a novel prevention approach for Alzheimer's disease. eLife, 7.

Itoh M, et al. (2018) Deficiency of AMPAR-Palmitoylation Aggravates Seizure Susceptibility. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(47), 10220.