Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 12, 2025

Anti-Glutamate Receptor 2, extracellular, clone 6C4

RRID:AB_2113875
Type: Antibody

Proper Citation

(Millipore Cat# MAB397, RRID:AB_2113875)

Antibody Information

URL: http://antibodyregistry.org/AB_2113875

Proper Citation: (Millipore Cat# MAB397, RRID:AB_2113875)

Target Antigen: GRIA2

Host Organism: mouse

Clonality: monoclonal

Comments: seller recommendations: western blot, ELISA, radioimmunoassay, immunoprecipitation, immunohistochemistry, immunocytochemistry

Antibody Name: Anti-Glutamate Receptor 2, extracellular, clone 6C4

Description: This monoclonal targets GRIA2

Target Organism: rat, human

Defining Citation: PMID:19034952, PMID:16998906, PMID:17299759, PMID:16927255, PMID:16856139

Antibody ID: AB_2113875

Vendor: Millipore

Catalog Number: MAB397

Record Creation Time: 20231110T050433+0000

Record Last Update: 20241115T102106+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Glutamate Receptor 2, extracellular, clone 6C4.

No alerts have been found for Anti-Glutamate Receptor 2, extracellular, clone 6C4.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 91 mentions in open access literature.

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

Ji L, et al. (2024) From hidden hearing loss to supranormal auditory processing by neurotrophin 3-mediated modulation of inner hair cell synapse density. PLoS biology, 22(6), e3002665.

Bovee S, et al. (2024) Cochlear Ribbon Synapses in Aged Gerbils. International journal of molecular sciences, 25(5).

Tolnai S, et al. (2024) Age-related deficits in binaural hearing: Contribution of peripheral and central effects. The Journal of neuroscience : the official journal of the Society for Neuroscience.

Kim S, et al. (2024) MDGAs perform activity-dependent synapse type-specific suppression via distinct extracellular mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 121(26), e2322978121.

Carlton AJ, et al. (2024) BAI1 localizes AMPA receptors at the cochlear afferent post-synaptic density and is essential for hearing. Cell reports, 43(4), 114025.

Clavet-Fournier V, et al. (2024) Pre- and postsynaptic nanostructures increase in size and complexity after induction of long-term potentiation. iScience, 27(1), 108679.

Ji E, et al. (2024) The Chemokine CCL2 Promotes Excitatory Synaptic Transmission in Hippocampal Neurons via GluA1 Subunit Trafficking. Neuroscience bulletin.

Pal I, et al. (2024) Female GluA3-KO mice show early onset hearing loss and afferent swellings in ambient sound levels. bioRxiv : the preprint server for biology.

P A H, et al. (2024) Mitigation of synaptic and memory impairments via F-actin stabilization in Alzheimer's disease. Alzheimer's research & therapy, 16(1), 200.

Peng Y, et al. (2023) Translational patterns of ionotropic glutamate and GABA receptors during brain development and behavioral stimuli revealed by polysome profiling. Journal of neurochemistry, 164(6), 786.

Rutherford MA, et al. (2023) GluA3 subunits are required for appropriate assembly of AMPAR GluA2 and GluA4 subunits on cochlear afferent synapses and for presynaptic ribbon modiolar-pillar morphology. eLife, 12.

Falkovich R, et al. (2023) A synaptic molecular dependency network in knockdown of autism- and schizophrenia-associated genes revealed by multiplexed imaging. Cell reports, 42(5), 112430.

Newton S, et al. (2023) Absence of Embigin accelerates hearing loss and causes sub-viability, brain and heart defects in C57BL/6N mice due to interaction with Cdh23ahl. iScience, 26(10), 108056.

Xu FX, et al. (2023) Purkinje-cell-specific MeCP2 deficiency leads to motor deficits and autistic-like behavior due to aberrations in PTP1B-TrkB-SK signaling. Cell reports, 42(12), 113559.

Zhao Y, et al. (2023) Sepsis Impairs Purkinje Cell Functions and Motor Behaviors Through Microglia Activation. Cerebellum (London, England).

Liu RH, et al. (2023) Inhibiting neuronal AC1 for treating anxiety and headache in the animal model of migraine. iScience, 26(6), 106790.

Wang Y, et al. (2023) Chronic Neuronal Inactivity Utilizes the mTOR-TFEB Pathway to Drive Transcription-Dependent Autophagy for Homeostatic Up-Scaling. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(15), 2631.

Cortada M, et al. (2023) mTORC2 regulates auditory hair cell structure and function. iScience, 26(9), 107687.

Suzuki K, et al. (2022) Optical analysis of AMPAR-mediated synaptic scaling in mouse hippocampus. STAR protocols, 3(2), 101443.

Bissen D, et al. (2022) Expansion microscopy of mouse brain organotypic slice cultures to study protein distribution. STAR protocols, 3(3), 101507.