

Resource Summary Report

Generated by [dkNET](#) on Aug 4, 2026

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: 20250820T005531+0000

Record Last Update: 20250820T093356+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 95 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Koo C, et al. (2026) Sex-specific hearing loss in Sirt3 knockout mice and attenuation by honokiol. Hearing research, 470, 109502.

Chen KH, et al. (2025) Loss of the proton-activated chloride channel in neurons impairs AMPA receptor endocytosis and LTD via endosomal hyper-acidification. Cell reports, 44(2), 115302.

Bastille I, et al. (2025) Combinatorial transcriptional regulation establishes subtype-appropriate synaptic properties in auditory neurons. Cell reports, 44(6), 115796.

Pal I, et al. (2025) Female mice lacking GluA3 show early onset of hearing loss, cochlear synaptopathy, and afferent terminal swellings in ambient sound levels. iScience, 28(2), 111799.

Bao YL, et al. (2025) Deletion of the SHORT Syndrome Gene Prkce Results in Brain Atrophy and Cognitive and Motor Behavior Deficits in Mice. Neuroscience bulletin.

Pal I, et al. (2025) Protocol for assessing auditory function, cochlear synaptopathy, and afferent terminal morphology in laboratory mice. STAR protocols, 6(3), 104040.

Tan J, et al. (2025) Placode and neural crest origins of congenital deafness in mouse models of Waardenburg-Shah syndrome. iScience, 28(1), 111680.

Koesters AG, et al. (2025) Homeostatic synaptic plasticity of miniature excitatory postsynaptic currents in mouse cortical cultures requires neuronal Rab3a. eLife, 12.

Chen S, et al. (2025) Native postsynaptic density is a functional condensate formed via phase separation. Cell reports, 45(1), 116723.

Clayton KK, et al. (2025) Cortical PV interneurons regulate loudness perception and sustainably reverse loudness hypersensitivity. Neuron.

Yu J, et al. (2025) Heat-shock pathway activation by TRC051384 protects spiral ganglion neurons from noise-induced hearing loss. bioRxiv : the preprint server for biology.

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

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.

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.

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*.

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

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.