# Resource Summary Report

Generated by dkNET on Aug 7, 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 97 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.

Buran BN, et al. (2026) Predicting Cochlear Synaptopathy in Mice with Varying Degrees of Outer Hair Cell Dysfunction Using Auditory Evoked Potentials. Journal of the Association for Research in Otolaryngology : JARO, 27(1), 61.

Zhang Z, et al. (2026) Precise and efficient DNA base editing restores normal hearing in adult DFNB9 mouse model. Med (New York, N.Y.), 7(4), 101001.

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.

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.

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.

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

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

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

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.

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

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.

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.