

Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

Anti-Glutamate Receptor 4

RRID:AB_90711

Type: Antibody

Proper Citation

Millipore Cat# AB1508, RRID:AB_90711

Antibody Information

URL: http://antibodyregistry.org/AB_90711

Proper Citation: Millipore Cat# AB1508, RRID:AB_90711

Target Antigen: Glutamate Receptor 4

Host Organism: rabbit

Clonality: polyclonal

Comments: seller recommendations: IH(P), IC, IH, IP, WB; Immunohistochemistry; Western Blot; Immunocytochemistry; Immunoprecipitation

Antibody Name: Anti-Glutamate Receptor 4

Description: This polyclonal targets Glutamate Receptor 4

Target Organism: m, r

Defining Citation: [PMID:17366611](#), [PMID:19006199](#), [PMID:18335497](#), [PMID:18615559](#), [PMID:19937709](#), [PMID:19830807](#), [PMID:21192079](#), [PMID:17177254](#), [PMID:20394059](#), [PMID:21031559](#), [PMID:18300259](#), [PMID:16680782](#), [PMID:18076030](#), [PMID:16856139](#)

Antibody ID: AB_90711

Vendor: Millipore

Catalog Number: AB1508

Record Creation Time: 20250820T012217+0000

Record Last Update: 20250820T104518+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Glutamate Receptor 4.

No alerts have been found for Anti-Glutamate Receptor 4.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Papanikolaou A, et al. (2025) Selectively vulnerable deep cortical layer 5/6 fast-spiking interneurons in Alzheimer's disease models in vivo. *Neuron*, 113(14), 2265.

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.

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

Reiner A, et al. (2024) Neurochemistry and circuit organization of the lateral spiriform nucleus of birds: A uniquely nonmammalian direct pathway component of the basal ganglia. *The Journal of comparative neurology*, 532(5), e25620.

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*.

Hull VL, et al. (2023) Pathological Bergmann glia alterations and disrupted calcium dynamics in ataxic Canavan disease mice. *Glia*, 71(12), 2832.

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.

Boudkkazi S, et al. (2023) A Noelin-organized extracellular network of proteins required for constitutive and context-dependent anchoring of AMPA-receptors. *Neuron*, 111(16), 2544.

Pan F, et al. (2023) Dye coupling of horizontal cells in the primate retina. *Frontiers in ophthalmology*, 3, 1173706.

Seigneur E, et al. (2021) Cerebellin-2 regulates a serotonergic dorsal raphe circuit that controls compulsive behaviors. *Molecular psychiatry*, 26(12), 7509.

Xiao MF, et al. (2021) A biomarker-authenticated model of schizophrenia implicating NPTX2 loss of function. *Science advances*, 7(48), eabf6935.

Schwenk J, et al. (2019) An ER Assembly Line of AMPA-Receptors Controls Excitatory Neurotransmission and Its Plasticity. *Neuron*, 104(4), 680.

Hartveit E, et al. (2018) AMPA receptors at ribbon synapses in the mammalian retina: kinetic models and molecular identity. *Brain structure & function*, 223(2), 769.

Seigneur E, et al. (2018) Genetic Ablation of All Cerebellins Reveals Synapse Organizer Functions in Multiple Regions Throughout the Brain. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(20), 4774.

Str??h S, et al. (2018) Eliminating Glutamatergic Input onto Horizontal Cells Changes the Dynamic Range and Receptive Field Organization of Mouse Retinal Ganglion Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(8), 2015.

Favuzzi E, et al. (2017) Activity-Dependent Gating of Parvalbumin Interneuron Function by the Perineuronal Net Protein Brevican. *Neuron*, 95(3), 639.

Horiuchi M, et al. (2017) Differing intrinsic biological properties between forebrain and spinal oligodendroglial lineage cells. *Journal of neurochemistry*, 142(3), 378.

Fasoli A, et al. (2017) Somatic and neuritic spines on tyrosine hydroxylase-immunopositive cells of rat retina. *The Journal of comparative neurology*, 525(7), 1707.

Lima LB, et al. (2017) Afferent and efferent connections of the interpeduncular nucleus with special reference to circuits involving the habenula and raphe nuclei. *The Journal of comparative neurology*, 525(10), 2411.