# Resource Summary Report

Generated by RRID on Aug 8, 2026

## Rabbit Anti-Glutamate Receptor 4 (GluR4) Polyclonal antibody, Unconjugated

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 (GluR4)

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** seller recommendations: Immunocytochemistry; Immunohistochemistry; Western Blot; Western Blotting, Immunohistochemistry

**Antibody Name:** Rabbit Anti-Glutamate Receptor 4 (GluR4) Polyclonal antibody, Unconjugated

**Description:** This polyclonal targets Glutamate Receptor 4 (GluR4)

**Target Organism:** guinea pig, other, rat, hamster, simian, mouse, human

**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:** 20250820T051925+0000

**Record Last Update:** 20250820T211858+0000

## Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Glutamate Receptor 4 (GluR4) Polyclonal antibody, Unconjugated.

No alerts have been found for Rabbit Anti-Glutamate Receptor 4 (GluR4) Polyclonal antibody, Unconjugated.

## 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) 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.

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.

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

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

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.