

Resource Summary Report

Generated by [NIF](#) on Sep 2, 2026

Anti-Glutamate receptor 1

RRID:AB_2113602

Type: Antibody

Proper Citation

Millipore Cat# AB1504, RRID:AB_2113602

Antibody Information

URL: http://antibodyregistry.org/AB_2113602

Proper Citation: Millipore Cat# AB1504, RRID:AB_2113602

Target Antigen: Glutamate receptor 1

Host Organism: rabbit

Clonality: polyclonal

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

Antibody Name: Anti-Glutamate receptor 1

Description: This polyclonal targets Glutamate receptor 1

Target Organism: h, eq, m, horse, r

Defining Citation: [PMID:16680782](#)

Antibody ID: AB_2113602

Vendor: Millipore

Catalog Number: AB1504

Record Creation Time: 20231110T081645+0000

Record Last Update: 20260830T001450+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Glutamate receptor 1.

No alerts have been found for Anti-Glutamate receptor 1.

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 [NIF](#) .

Sirmpilatze N, et al. (2026) An open-source three-dimensional digital brain atlas of a migratory bird, the Eurasian blackcap. *Current biology : CB*, 36(8), 2063.

Huang Z, et al. (2026) Single-dose psilocybin promotes cell-type-specific changes of neurons in the orbitofrontal cortex. *Neurotherapeutics : the journal of the American Society for Experimental NeuroTherapeutics*, 23(1), e00841.

Brodbeck MIR, et al. (2026) Brain activity in Cluster N and the hippocampus in non-migratory zebra finches completing a spatial orientation task using magnetic compass information. *PloS one*, 21(4), e0348066.

Morioka K, et al. (2025) Disuse plasticity limits spinal cord injury recovery. *iScience*, 28(4), 112180.

Bosworth AP, et al. (2025) Astrocyte glypican 5 regulates synapse maturation and stabilization. *Cell reports*, 44(3), 115374.

Williams CA, et al. (2025) The Alzheimer's disease risk gene SORL1 is a regulator of excitatory neuronal function. *bioRxiv : the preprint server for biology*.

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.

Park SJ, et al. (2025) The neurexin gene family regulates olfactory glomerular formation. *Cell reports*, 44(8), 116125.

Zhou JJ, et al. (2024) Calcineurin regulates synaptic Ca²⁺-permeable AMPA receptors in hypothalamic presympathetic neurons via α -1-mediated GluA1/GluA2 assembly. *The Journal of physiology*, 602(10), 2179.

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.

Nascimento C, et al. (2024) Impaired Response to Mismatch Novelty in the Li²⁺-Pilocarpine Rat Model of TLE: Correlation with Hippocampal Monoaminergic Inputs. *Biomedicines*, 12(3).

Wu J, et al. (2024) Disease-causing Slack potassium channel mutations produce opposite effects on excitability of excitatory and inhibitory neurons. *Cell reports*, 43(3), 113904.

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.

Coulson RL, et al. (2024) Translational modulator ISRIB alleviates synaptic and behavioral phenotypes in Fragile X syndrome. *iScience*, 27(4), 109259.

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

Martínez-Rivera A, et al. (2023) Cav1.3 L-type Ca²⁺ channel-activated CaMKII/ERK2 pathway in the ventral tegmental area is required for cocaine conditioned place preference. *Neuropharmacology*, 224, 109368.

Monsorno K, et al. (2023) Loss of microglial MCT4 leads to defective synaptic pruning and anxiety-like behavior in mice. *Nature communications*, 14(1), 5749.

Stil A, et al. (2023) A simple method for poly-D-lysine coating to enhance adhesion and maturation of primary cortical neuron cultures in vitro. *Frontiers in cellular neuroscience*, 17, 1212097.

Wright AL, et al. (2023) The Q/R editing site of AMPA receptor GluA2 subunit acts as an epigenetic switch regulating dendritic spines, neurodegeneration and cognitive deficits in Alzheimer's disease. *Molecular neurodegeneration*, 18(1), 65.

Carvalho-Rosa JD, et al. (2023) Epileptiform activity influences theta-burst induced LTP in the adult hippocampus: a role for synaptic lipid raft disruption in early metaplasticity? *Frontiers in cellular neuroscience*, 17, 1117697.