

Resource Summary Report

Generated by [RRID](#) on Sep 11, 2026

Anti-GluA 1

RRID:AB_2113443

Type: Antibody

Proper Citation

Synaptic Systems Cat# 182 011, RRID:AB_2113443

Antibody Information

URL: http://antibodyregistry.org/AB_2113443

Proper Citation: Synaptic Systems Cat# 182 011, RRID:AB_2113443

Target Antigen: GluA 1

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: WB,IP,ICC,IHC. KO validated
Consolidation 6/2023: AB_1630258

Antibody Name: Anti-GluA 1

Description: This monoclonal targets GluA 1

Target Organism: rat, mouse, zebrafish, human

Clone ID: 160E5

Antibody ID: AB_2113443

Vendor: Synaptic Systems

Catalog Number: 182 011

Record Creation Time: 20231110T050435+0000

Record Last Update: 20260829T012402+0000

Ratings and Alerts

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

No alerts have been found for Anti-GluA 1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 11 mentions in open access literature.

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

Padmanabhan N, et al. (2026) Neurexin-1? drives synaptic transmission through structural integration of neurotransmitter release machinery and postsynaptic receptor nanodomains. *Neuron*.

Thumu SCR, et al. (2024) SRF-deficient astrocytes provide neuroprotection in mouse models of excitotoxicity and neurodegeneration. *eLife*, 13.

Tan JZA, et al. (2023) Copine-6 is a Ca²⁺ sensor for activity-induced AMPA receptor exocytosis. *Cell reports*, 42(12), 113460.

Kabirova M, et al. (2023) Abl2 Kinase Differentially Regulates iGluRs Current Activity and Synaptic Localization. *Cellular and molecular neurobiology*.

Zhu ZA, et al. (2023) CDKL5 deficiency in adult glutamatergic neurons alters synaptic activity and causes spontaneous seizures via TrkB signaling. *Cell reports*, 42(10), 113202.

Woelfle S, et al. (2023) CLARITY increases sensitivity and specificity of fluorescence immunostaining in long-term archived human brain tissue. *BMC biology*, 21(1), 113.

Emperador-Melero J, et al. (2021) PKC-phosphorylation of Liprin-?3 triggers phase separation and controls presynaptic active zone structure. *Nature communications*, 12(1), 3057.

Heise C, et al. (2018) Heterogeneity of Cell Surface Glutamate and GABA Receptor Expression in Shank and CNTN4 Autism Mouse Models. *Frontiers in molecular neuroscience*, 11, 212.

Aguayo FI, et al. (2018) Hippocampal Memory Recovery After Acute Stress: A Behavioral, Morphological and Molecular Study. *Frontiers in molecular neuroscience*, 11, 283.

Bertani I, et al. (2017) Inhibition of IL-1? Signaling Normalizes NMDA-Dependent Neurotransmission and Reduces Seizure Susceptibility in a Mouse Model of Creutzfeldt-Jakob Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 37(43), 10278.

Pacheco A, et al. (2017) Chronic Stress Triggers Expression of Immediate Early Genes and Differentially Affects the Expression of AMPA and NMDA Subunits in Dorsal and Ventral Hippocampus of Rats. *Frontiers in molecular neuroscience*, 10, 244.