

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

pan-AMPAR (pan-antibody common to GluR1-4) antibody

RRID:AB_2571610

Type: Antibody

Proper Citation

Frontier Institute Cat# panAMPA-R-GP, RRID:AB_2571610

Antibody Information

URL: http://antibodyregistry.org/AB_2571610

Proper Citation: Frontier Institute Cat# panAMPA-R-GP, RRID:AB_2571610

Target Antigen: mouse glutamate receptor 1, 717-754 aa (X57497)

Host Organism: guinea pig

Clonality: polyclonal

Antibody Name: pan-AMPA-R (pan-antibody common to GluR1-4) antibody

Description: This polyclonal targets mouse glutamate receptor 1, 717-754 aa (X57497)

Target Organism: mouse

Antibody ID: AB_2571610

Vendor: Frontier Institute

Catalog Number: panAMPA-R-GP

Record Creation Time: 20250819T231400+0000

Record Last Update: 20250820T044220+0000

Ratings and Alerts

No rating or validation information has been found for pan-AMPA-R (pan-antibody common to GluR1-4) antibody.

No alerts have been found for pan-AMPA-R (pan-antibody common to GluR1-4) antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Aldahabi M, et al. (2026) Selective, genetically induced increase in synaptic vesicle priming. *Science advances*, 12(15), eaee6848.

Nitta A, et al. (2025) Molecular and Anatomical Strengthening of "Winner" Climbing Fiber Synapses in Developing Mouse Purkinje Cells. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(15).

Konno K, et al. (2025) Advanced fixation techniques for high-sensitivity molecular imaging: effectiveness of glyoxal fixation for immunostaining. *Anatomical science international*.

Robinson K, et al. (2024) Mapping proteomic composition of excitatory postsynaptic sites in the cerebellar cortex. *Frontiers in molecular neuroscience*, 17, 1381534.

Tsuzuki A, et al. (2024) Abundant extrasynaptic expression of $\alpha 4$ -containing nicotinic acetylcholine receptors in the medial habenula-interpeduncular nucleus pathway in mice. *Scientific reports*, 14(1), 14193.

Aldahabi M, et al. (2022) Different priming states of synaptic vesicles underlie distinct release probabilities at hippocampal excitatory synapses. *Neuron*, 110(24), 4144.

Miyazaki T, et al. (2021) Excitatory and inhibitory receptors utilize distinct post- and trans-synaptic mechanisms in vivo. *eLife*, 10.

Miyazaki T, et al. (2021) Compartmentalized Input-Output Organization of Lugaro Cells in the Cerebellar Cortex. *Neuroscience*, 462, 89.

Fukaya M, et al. (2020) BRAG2a Mediates mGluR-Dependent AMPA Receptor Internalization at Excitatory Postsynapses through the Interaction with PSD-95 and Endophilin 3. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 40(22), 4277.

Szoboszlay M, et al. (2017) Objective quantification of nanoscale protein distributions. *Scientific reports*, 7(1), 15240.