

Resource Summary Report

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

Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477)

RRID:AB_2620181

Type: Antibody

Proper Citation

Abcam Cat# ab133477, RRID:AB_2620181

Antibody Information

URL: http://antibodyregistry.org/AB_2620181

Proper Citation: Abcam Cat# ab133477, RRID:AB_2620181

Host Organism: rabbit

Clonality: monoclonal

Antibody Name: Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477)

Description: This monoclonal targets

Target Organism: rat, mouse, human

Clone ID: EPR5032

Antibody ID: AB_2620181

Vendor: Abcam

Catalog Number: ab133477

Record Creation Time: 20250819T231135+0000

Record Last Update: 20250820T043504+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477).

No alerts have been found for Anti-Ionotropic Glutamate receptor 2 antibody [EPR5032] (ab133477).

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Xiong S, et al. (2026) BEST1-mediated tonic excitation facilitates anxiety-like behaviors in a mouse model of chronic neuropathic pain. *Cell reports*, 45(4), 117229.

Brzozowski CF, et al. (2025) Early ??-synuclein aggregation decreases corticostriatal glutamate drive and synapse density. *Neurobiology of disease*, 210, 106918.

Wang YZ, et al. (2024) Neuron type-specific proteomics reveals distinct Shank3 proteoforms in iSPNs and dSPNs lead to striatal synaptopathy in Shank3B-/- mice. *Molecular psychiatry*.

Pan YD, et al. (2024) Intermittent Hypobaric Hypoxia Ameliorates Autistic-Like Phenotypes in Mice. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(7).

Zhao Y, et al. (2024) Gut Microbiota-Metabolite-Brain Axis Reconstitution Reverses Sevoflurane-Induced Social and Synaptic Deficits in Neonatal Mice. *Research (Washington, D.C.)*, 7, 0482.

Zhu D, et al. (2024) Overabundant endocannabinoids in neurons are detrimental to cognitive function. *bioRxiv : the preprint server for biology*.

Chen ZJ, et al. (2023) Enhanced AMPAR-dependent synaptic transmission by S-nitrosylation in the vmPFC contributes to chronic inflammatory pain-induced persistent anxiety in mice. *Acta pharmacologica Sinica*, 44(5), 954.

Lu H, et al. (2023) Synaptotagmin-3 interactions with GluA2 mediate brain damage and impair functional recovery in stroke. *Cell reports*, 42(3), 112233.

Liu H, et al. (2021) Valproic Acid Induces Autism-Like Synaptic and Behavioral Deficits by Disrupting Histone Acetylation of Prefrontal Cortex ALDH1A1 in Rats. *Frontiers in neuroscience*, 15, 641284.

Rodrigues DC, et al. (2020) Shifts in Ribosome Engagement Impact Key Gene Sets in Neurodevelopment and Ubiquitination in Rett Syndrome. *Cell reports*, 30(12), 4179.

Santa-Marinha L, et al. (2020) Phospholipase D1 Ablation Disrupts Mouse Longitudinal Hippocampal Axis Organization and Functioning. *Cell reports*, 30(12), 4197.

Gobert D, et al. (2020) TORC1 selectively regulates synaptic maturation and input convergence in the developing visual system. *Developmental neurobiology*, 80(9-10), 332.

Zhang W, et al. (2019) Arc Oligomerization Is Regulated by CaMKII Phosphorylation of the GAG Domain: An Essential Mechanism for Plasticity and Memory Formation. *Molecular cell*, 75(1), 13.

Tan C, et al. (2019) Endothelium-Derived Semaphorin 3G Regulates Hippocampal Synaptic Structure and Plasticity via Neuropilin-2/PlexinA4. *Neuron*, 101(5), 920.

Qin XH, et al. (2019) Liver Soluble Epoxide Hydrolase Regulates Behavioral and Cellular Effects of Chronic Stress. *Cell reports*, 29(10), 3223.

Glasgow SD, et al. (2018) Activity-Dependent Netrin-1 Secretion Drives Synaptic Insertion of GluA1-Containing AMPA Receptors in the Hippocampus. *Cell reports*, 25(1), 168.