Resource Summary Report

Generated by NIF on Aug 1, 2026

Rabbit Anti-Metabotropic Glutamate Receptor 5 Monoclonal Antibody, Unconjugated, Clone EPR2425Y

RRID:AB_1523944
Type: Antibody

Proper Citation

Abcam Cat# ab76316, RRID:AB_1523944

Antibody Information

URL: http://antibodyregistry.org/AB_1523944

Proper Citation: Abcam Cat# ab76316, RRID:AB_1523944

Target Antigen: Metabotropic Glutamate Receptor 5

Host Organism: rabbit

Clonality: monoclonal

Comments: validation status unknown, seller recommendations provided in 2012: Flow Cytometry; Immunocytochemistry; Immunohistochemistry; Western Blot; Flow Cytometry, Immunocytochemistry, Immunohistochemistry-P, Western Blot

Antibody Name: Rabbit Anti-Metabotropic Glutamate Receptor 5 Monoclonal Antibody, Unconjugated, Clone EPR2425Y

Description: This monoclonal targets Metabotropic Glutamate Receptor 5

Target Organism: rat, mouse, human

Clone ID: Clone EPR2425Y

Antibody ID: AB_1523944

Vendor: Abcam

Catalog Number: ab76316

Record Creation Time: 20250819T233802+0000

Record Last Update: 20250820T055651+0000

Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Metabotropic Glutamate Receptor 5 Monoclonal Antibody, Unconjugated, Clone EPR2425Y.

No alerts have been found for Rabbit Anti-Metabotropic Glutamate Receptor 5 Monoclonal Antibody, Unconjugated, Clone EPR2425Y.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

Wang H, et al. (2025) Conditional mGluR5 knockout in glutamatergic pathways disrupts the development of excitatory synaptic transmission onto mouse MNTB neurons. Journal of neurophysiology, 134(5), 1749.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. Cell reports, 44(1), 115155.

Azeem S, et al. (2025) CMTR1-catalyzed 2'-O-methylation promotes NMDA receptor signaling, long-term potentiation and memory. Progress in neurobiology, 251, 102802.

Wu PY, et al. (2024) Loss of synaptopodin impairs mGluR5 and protein synthesis-dependent mGluR-LTD at CA3-CA1 synapses. PNAS nexus, 3(2), pgae062.

Li YK, et al. (2023) Metabotropic glutamate receptor 5-mediated inhibition of inward-rectifying K+ channel 4.1 contributes to orofacial ectopic mechanical allodynia following inferior alveolar nerve transection in male mice. Journal of neuroscience research, 101(7), 1170.

Wang H, et al. (2023) Group I metabotropic glutamate receptor-triggered temporally patterned action potential-dependent spontaneous synaptic transmission in mouse MNTB neurons. Hearing research, 435, 108822.

Wu PY, et al. (2023) Loss of synaptopodin impairs mGluR5 and protein synthesis dependent mGluR-LTD at CA3-CA1 synapses. bioRxiv : the preprint server for biology.

Ji C, et al. (2023) Glutaminase 1 deficiency confined in forebrain neurons causes autism spectrum disorder-like behaviors. Cell reports, 42(7), 112712.

Bhat SA, et al. (2021) Enhanced Akt/GSK-3??/CREB signaling mediates the anti-inflammatory actions of mGluR5 positive allosteric modulators in microglia and following traumatic brain injury in male mice. Journal of neurochemistry, 156(2), 225.

Peng K, et al. (2020) Mechanisms Underlying Enhancement of Spontaneous Glutamate Release by Group I mGluRs at a Central Auditory Synapse. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(37), 7027.

Choi WM, et al. (2019) Glutamate Signaling in Hepatic Stellate Cells Drives Alcoholic Steatosis. Cell metabolism, 30(5), 877.

Wolstenholme JT, et al. (2019) Transgenerational Bisphenol A Causes Deficits in Social Recognition and Alters Postsynaptic Density Genes in Mice. Endocrinology, 160(8), 1854.

Tang ZQ, et al. (2018) Anatomy and Physiology of Metabotropic Glutamate Receptors in Mammalian and Avian Auditory System. HSOA trends in anatomy and physiology, 1.

Chiu SL, et al. (2017) GRASP1 Regulates Synaptic Plasticity and Learning through Endosomal Recycling of AMPA Receptors. Neuron, 93(6), 1405.