

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://www.fdi-lab.com) on Apr 18, 2025

## Rabbit Anti-Metabotropic Glutamate Receptor 5 (mGluR5) , Unconjugated

RRID:AB\_2295173

Type: Antibody

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### Proper Citation

(Millipore Cat# AB5675, RRID:AB\_2295173)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2295173](http://antibodyregistry.org/AB_2295173)

**Proper Citation:** (Millipore Cat# AB5675, RRID:AB\_2295173)

**Target Antigen:** Metabotropic Glutamate Receptor 5 (mGluR5)

**Host Organism:** rabbit

**Clonality:** polyclonal

**Comments:** Applications: Immunohistochemistry; Western Blot; Western Blotting, Immunohistochemistry  
Consolidation 6/2023: AB\_11213563

**Antibody Name:** Rabbit Anti-Metabotropic Glutamate Receptor 5 (mGluR5) , Unconjugated

**Description:** This polyclonal targets Metabotropic Glutamate Receptor 5 (mGluR5)

**Target Organism:** rat

**Defining Citation:** [PMID:21858817](https://pubmed.ncbi.nlm.nih.gov/21858817/), [PMID:20151362](https://pubmed.ncbi.nlm.nih.gov/20151362/), [PMID:17154259](https://pubmed.ncbi.nlm.nih.gov/17154259/), [PMID:19827152](https://pubmed.ncbi.nlm.nih.gov/19827152/)

**Antibody ID:** AB\_2295173

**Vendor:** Millipore

**Catalog Number:** AB5675

**Record Creation Time:** 20231110T045150+0000

**Record Last Update:** 20241114T233645+0000

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## Ratings and Alerts

No rating or validation information has been found for Rabbit Anti-Metabotropic Glutamate Receptor 5 (mGluR5) , Unconjugated.

No alerts have been found for Rabbit Anti-Metabotropic Glutamate Receptor 5 (mGluR5) , Unconjugated.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 33 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Molinaro G, et al. (2024) Female-specific dysfunction of sensory neocortical circuits in a mouse model of autism mediated by mGluR5 and estrogen receptor ?. *Cell reports*, 43(4), 114056.

Caffino L, et al. (2024) Chronic Lithium Treatment Alters NMDA and AMPA Receptor Synaptic Availability and Dendritic Spine Organization in the Rat Hippocampus. *Current neuropharmacology*, 22(12), 2045.

Liau ES, et al. (2023) Single-cell transcriptomic analysis reveals diversity within mammalian spinal motor neurons. *Nature communications*, 14(1), 46.

Falkovich R, et al. (2023) A synaptic molecular dependency network in knockdown of autism- and schizophrenia-associated genes revealed by multiplexed imaging. *Cell reports*, 42(5), 112430.

Perdikaris P, et al. (2023) Social withdrawal and anxiety-like behavior have an impact on zebrafish adult neurogenesis. *Frontiers in behavioral neuroscience*, 17, 1244075.

Caffino L, et al. (2022) Responsivity of serotonin transporter knockout rats to short and long access to cocaine: Modulation of the glutamate signalling in the nucleus accumbens shell. *British journal of pharmacology*, 179(14), 3727.

Werthmann RC, et al. (2021) Symmetric signal transduction and negative allosteric modulation of heterodimeric mGlu1/5 receptors. *Neuropharmacology*, 190, 108426.

Saitta KS, et al. (2021) CHPG enhances BDNF and myelination in cuprizone-treated mice through astrocytic metabotropic glutamate receptor 5. *Glia*, 69(8), 1950.

Lautz JD, et al. (2021) Synaptic protein interaction networks encode experience by assuming stimulus-specific and brain-region-specific states. *Cell reports*, 37(9), 110076.

Mao LM, et al. (2020) Linkage of Non-receptor Tyrosine Kinase Fyn to mGlu5 Receptors in Striatal Neurons in a Depression Model. *Neuroscience*, 433, 11.

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.

Holz A, et al. (2019) Enhanced mGlu5 Signaling in Excitatory Neurons Promotes Rapid Antidepressant Effects via AMPA Receptor Activation. *Neuron*, 104(2), 338.

Lautz JD, et al. (2019) Activity-dependent changes in synaptic protein complex composition are consistent in different detergents despite differential solubility. *Scientific reports*, 9(1), 10890.

Fitzgerald ML, et al. (2019) Ultrastructural localization of cannabinoid CB1 and mGluR5 receptors in the prefrontal cortex and amygdala. *The Journal of comparative neurology*, 527(16), 2730.

Chokshi V, et al. (2019) Input-Specific Metaplasticity in the Visual Cortex Requires Homer1a-Mediated mGluR5 Signaling. *Neuron*, 104(4), 736.

Carcolé M, et al. (2019) Sigma-1 receptor modulates neuroinflammation associated with mechanical hypersensitivity and opioid tolerance in a mouse model of osteoarthritis pain. *British journal of pharmacology*, 176(20), 3939.

Li Y, et al. (2018) Lrfr2-Mutant Mice Display Suppressed Synaptic Plasticity and Inhibitory Synapse Development and Abnormal Social Communication and Startle Response. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(26), 5872.

Doria JG, et al. (2018) The mGluR5 positive allosteric modulator VU0409551 improves synaptic plasticity and memory of a mouse model of Huntington's disease. *Journal of neurochemistry*, 147(2), 222.

Mao LM, et al. (2018) Alterations in mGlu5 receptor expression and function in the striatum in a rat depression model. *Journal of neurochemistry*, 145(4), 287.

Wall MJ, et al. (2018) The Temporal Dynamics of Arc Expression Regulate Cognitive Flexibility. *Neuron*, 98(6), 1124.