

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 14, 2026

Anti-Glycine receptor alpha1

RRID:AB_887723

Type: Antibody

Proper Citation

Synaptic Systems Cat# 146 111, RRID:AB_887723

Antibody Information

URL: http://antibodyregistry.org/AB_887723

Proper Citation: Synaptic Systems Cat# 146 111, RRID:AB_887723

Target Antigen: Glycine receptor alpha 1

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: IP,ICC,IHC,EM
Consolidation on 5/2025: AB_2314595

Antibody Name: Anti-Glycine receptor alpha1

Description: This monoclonal targets Glycine receptor alpha 1

Target Organism: monkey, rat, pig, mouse, human

Clone ID: mAb2b

Defining Citation: [PMID:19950251](#), [PMID:22006647](#)

Antibody ID: AB_887723

Vendor: Synaptic Systems

Catalog Number: 146 111

Record Creation Time: 20250819T220700+0000

Record Last Update: 20250820T010931+0000

Ratings and Alerts

No rating or validation information has been found for Anti-Glycine receptor alpha1.

No alerts have been found for Anti-Glycine receptor alpha1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Wiessler AL, et al. (2025) Impaired Presynaptic Function Contributes Significantly to the Pathology of Glycine Receptor Autoantibodies. *Neurology(R) neuroimmunology & neuroinflammation*, 12(2), e200364.

Khoussine J, et al. (2025) Divergent mechanisms of neural adaptation and instability in the mammalian retina. *Current biology : CB*, 35(14), 3381.

Baizer JS, et al. (2024) Glycine is a transmitter in the human and chimpanzee cochlear nuclei. *Frontiers in neuroanatomy*, 18, 1331230.

Nascimento F, et al. (2024) Spinal microcircuits go through multiphasic homeostatic compensations in a mouse model of motoneuron degeneration. *Cell reports*, 43(12), 115046.

Wiessler AL, et al. (2024) Role of the Glycine Receptor ? Subunit in Synaptic Localization and Pathogenicity in Severe Startle Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 44(2).

Grimes WN, et al. (2022) Dendro-somatic synaptic inputs to ganglion cells contradict receptive field and connectivity conventions in the mammalian retina. *Current biology : CB*, 32(2), 315.

El Khoueiry C, et al. (2022) GABAA and Glycine Receptor-Mediated Inhibitory Synaptic Transmission onto Adult Rat Lamina III PKC γ -Interneurons: Pharmacological but Not Anatomical Specialization. *Cells*, 11(8).

Sawant A, et al. (2021) Organization and emergence of a mixed GABA-glycine retinal circuit that provides inhibition to mouse ON-sustained alpha retinal ganglion cells. *Cell reports*, 34(11), 108858.

Araya A, et al. (2021) Presence of ethanol-sensitive and ethanol-insensitive glycine receptors in the ventral tegmental area and prefrontal cortex in mice. *British journal of pharmacology*, 178(23), 4691.

Sinha R, et al. (2021) Transient expression of a GABA receptor subunit during early development is critical for inhibitory synapse maturation and function. *Current biology :*

CB, 31(19), 4314.

Gamlin CR, et al. (2020) Distinct Developmental Mechanisms Act Independently to Shape Biased Synaptic Divergence from an Inhibitory Neuron. *Current biology : CB*, 30(7), 1258.

Kasaragod VB, et al. (2019) Elucidating the Molecular Basis for Inhibitory Neurotransmission Regulation by Artemisininins. *Neuron*, 101(4), 673.

Nakahata Y, et al. (2017) Activation-Dependent Rapid Postsynaptic Clustering of Glycine Receptors in Mature Spinal Cord Neurons. *eNeuro*, 4(1).