Glycine Receptor Polyclonal Antibody  
Item No. 10009399

Supplied as: 200 μg of affinity-purified rabbit polyclonal antibody  
Host: Rabbit  
Antigen: Peptide from N-terminal region of the α1-subunit of the rat glycine receptor  
Cross Reactivity: (+) Human, mouse, and rat glycine receptor  
Stability: ≥1 year at -20°C  
Applications: The recommended starting dilution for western blot and immunohistochemistry (frozen sections) is 1:1,000.

Glycine is an important inhibitory transmitter in the brain stem and spinal cord. Glycine receptors are members of the ligand-gated ion channel family (LGICs) that mediate rapid chemical neurotransmission. The binding of glycine to its receptor produces a large increase in chloride conductance, which causes membrane hyperpolarization. Glycine receptors are anchored at inhibitory chemical synapses by a cytoplasmic protein, gephyrin. The glycine receptor has been used to great advantage in the identification of the binding sites for alcohol on the LGIC family of proteins. These receptors have also been extremely useful in studies of synaptic clustering of receptors. The glycine receptor may also act in concert with an NMDAR subunit to form an excitatory receptor.

References

Related Products  
For a list of related products please visit: www.caymanchem.com/catalog/10009399

WARNING: This product is NOT intended or approved for human or veterinary use. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA
This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent under separate cover to the MSDS supervisor at your institution.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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