

Datasheet for ABIN6658137
anti-GLRA1 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	200 µg
Target:	GLRA1
Binding Specificity:	N-Term
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLRA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Glycine Receptor Antibody
Immunogen:	Anti-Glycine Receptor Antibody was produced by repeated immunizations with synthetic peptide corresponding to amino acid residues from the N-terminal region.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-Glycine Receptor Antibody is directed against rat Glycine Receptor protein.
Purification:	The antibody was affinity purified from monospecific antiserum by immunoaffinity purification.

Target Details

Target:	GLRA1
Alternative Name:	Gla1 (GLRA1 Products)

Target Details

Background:	<p>Synonyms: Glycine receptor subunit alpha-1, Glycine receptor 48 kDa subunit, Glycine receptor strychnine-binding subunit</p> <p>Background: Glycine Receptor Antibody detects Glycine Receptor protein. Glycine is an important inhibitory transmitter in the brainstem 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. Therefore, Glycine receptor antibody is ideal for investigators involved in neurological circuitry and more generally in Neuroscience.</p> <p>Gene Name: GLRA1</p>
Gene ID:	25674
NCBI Accession:	NP_037265
UniProt:	P07727
Pathways:	Synaptic Membrane

Application Details

Application Notes:	<p>Immunohistochemistry_Dilution: 1:1000</p> <p>Western_Blot_Dilution: 1:1000</p>
Comment:	<p>Anti-Glycine Receptor (Rabbit) antibody is tested for use in Western Blotting and IHC. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 48 kDa in size corresponding to the alpha 1 and alpha 2 subunits of the glycine receptor in Western Blots of rat spinal cord and brain stem and in cell extracts.</p>
Restrictions:	For Research Use only

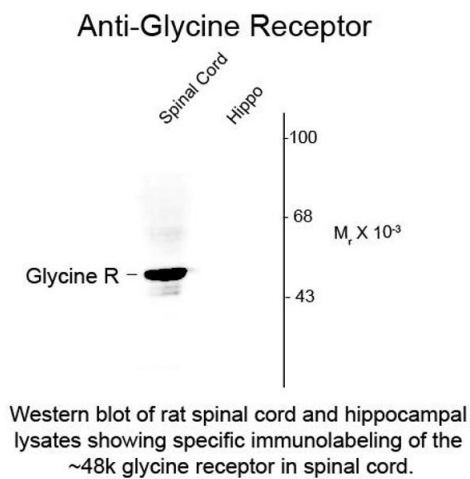
Handling

Format:	Lyophilized
Reconstitution:	<p>Reconstitution_Buffer: Neutral PBS</p> <p>Reconstitution_Volume: 50µL</p>

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western Blot of Anti-Glycine Receptor (Rabbit) Antibody - 600-401-D65 Western Blot of Rabbit anti-Glycine Receptor antibody. Lane 1: rat spinal cord. Lane 2: rat hippocampal. Load: 10 µg per lane. Primary antibody: Glycine receptor antibody at 1:400 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~48kDa α1- and α2-subunits of the glycine receptor. Other band(s): none.