

GLRA2 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10217c**Specification**

GLRA2 Antibody (Center) Blocking peptide - Product Information

Primary Accession [P23416](#)
Other Accession [NP_001165413.1](#), [NP_001112358.1](#),
[NP_002054.1](#), [NP_001112357.1](#)

GLRA2 Antibody (Center) Blocking peptide - Additional Information

Gene ID 2742

Other Names

Glycine receptor subunit alpha-2, GLRA2

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GLRA2 Antibody (Center) Blocking peptide - Protein Information

Name GLRA2 ([HGNC:4327](#))

Function

Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine (PubMed:2155780, PubMed:15302677, PubMed:16144831, PubMed:23895467, PubMed:25445488, PubMed:26370147, PubMed:34473954). Channel opening is also triggered by taurine and beta-alanine (PubMed:15302677). Plays a role in synaptic plasticity (By similarity). Contributes to the generation of inhibitory postsynaptic currents, and is involved in the down-regulation of neuronal excitability (PubMed:25445488). Plays a role in cellular responses to ethanol (PubMed:23895467).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q7TNC8}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23415}. Synapse {ECO:0000250|UniProtKB:Q7TNC8} Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23415}. Cell projection {ECO:0000250|UniProtKB:Q7TNC8}

GLRA2 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

GLRA2 Antibody (Center) Blocking peptide - Images**GLRA2 Antibody (Center) Blocking peptide - Background**

The glycine receptor consists of two subunits, alpha and beta, and acts as a pentamer. The protein encoded by this gene is an alpha subunit and can bind strychnine. Several transcript variants encoding different isoforms have been found for this gene.

GLRA2 Antibody (Center) Blocking peptide - References

Hong, C.W., et al. J. Immunol. 184(8):4401-4413(2010) Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :Tabakoff, B., et al. BMC Biol. 7, 70 (2009) :Lamesch, P., et al. Genomics 89(3):307-315(2007) Miller, P.S., et al. J. Biol. Chem. 280(45):37877-37884(2005)