

GLRB Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51776**Specification**

GLRB Antibody - Product Information

Application	WB, E
Primary Accession	P48167
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56 KDa

GLRB Antibody - Additional Information**Gene ID** 2743**Other Names**

Glycine receptor subunit beta, Glycine receptor 58 kDa subunit, GLRB

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GLRB Antibody - Protein Information**Name** GLRB**Function**

Subunit of heteromeric glycine-gated chloride channels (PubMed: [11929858](http://www.uniprot.org/citations/11929858), PubMed: [15302677](http://www.uniprot.org/citations/15302677), PubMed: [16144831](http://www.uniprot.org/citations/16144831), PubMed: [22715885](http://www.uniprot.org/citations/22715885), PubMed: [23238346](http://www.uniprot.org/citations/23238346), PubMed: [25445488](http://www.uniprot.org/citations/25445488), PubMed: [34473954](http://www.uniprot.org/citations/34473954), PubMed: [8717357](http://www.uniprot.org/citations/8717357)). Plays an important role in the down-regulation of neuronal excitability (PubMed: [11929858](http://www.uniprot.org/citations/11929858), PubMed: [23238346](http://www.uniprot.org/citations/23238346)). Contributes to the generation of inhibitory postsynaptic currents (PubMed: [11929858](http://www.uniprot.org/citations/11929858), PubMed: [23238346](http://www.uniprot.org/citations/23238346)).

href="http://www.uniprot.org/citations/25445488" target="_blank">25445488).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:P48168}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23415}. Synapse {ECO:0000250|UniProtKB:P48168} Cell projection, dendrite {ECO:0000250|UniProtKB:P48168}. Cell membrane; Multi-pass membrane protein {ECO:0000250|UniProtKB:P23415}. Cytoplasm. Note=Retained in the cytoplasm upon heterologous expression by itself. Coexpression with GPHN promotes expression at the cell membrane (PubMed:12684523). Coexpression with GLRA1, GLRA2 or GLRA3 promotes expression at the cell membrane {ECO:0000250|UniProtKB:P20781, ECO:0000269|PubMed:12684523}

GLRB Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GLRB Antibody - Images

GLRB Antibody - Background

The glycine receptor is a neurotransmitter-gated ion channel. Binding of glycine to its receptor increases the chloride conductance and thus produces hyperpolarization (inhibition of neuronal firing).

GLRB Antibody - References

Handford C.A., et al. Brain Res. Mol. Brain Res. 35:211-219(1996).
Milani N., et al. Genomics 50:341-345(1998).
Jin P., et al. Genomics 83:566-571(2004).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Hillier L.W., et al. Nature 434:724-731(2005).