

Glycine receptor, alpha 1 (intracellular) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3877a**Specification**

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P23415
Other Accession	NP_037265.1 , 2741 , 14654 (mouse) , 25674 (rat)
Reactivity	Mouse, Rat
Predicted	Human, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	52624

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - Additional Information**Gene ID** 2741**Other Names**

Glycine receptor subunit alpha-1, Glycine receptor 48 kDa subunit, Glycine receptor strychnine-binding subunit, GLRA1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - Protein Information**Name** GLRA1**Function**

Subunit of heteromeric glycine-gated chloride channels (PubMed:14551753, PubMed:23994010, PubMed:25730860, PubMed:37821459). Plays an important role in the down-regulation of neuronal excitability (PubMed:8298642, PubMed:9009272). Contributes to the generation of inhibitory postsynaptic currents (PubMed:25445488). Channel activity is potentiated by ethanol (PubMed:25973519). Potentiation of channel activity by intoxicating levels of ethanol contribute to the sedative effects of ethanol (By similarity).

Cellular Location

Postsynaptic cell membrane {ECO:0000250|UniProtKB:Q64018}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q64018}. Synapse {ECO:0000250|UniProtKB:Q64018} Perikaryon {ECO:0000250|UniProtKB:Q64018}. Cell projection, dendrite {ECO:0000250|UniProtKB:Q64018}. Cell membrane; Multi-pass membrane protein

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - 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](#)

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - Images



AF3877a (0.3 µg/ml) staining of Mouse Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - Background

The immunizing peptide represents part of the cytoplasmic domain. The antibody is not expected to cross-react with other glycine receptor alpha proteins.

Glycine receptor, alpha 1 (intracellular) Antibody (internal region) - References

Activation and desensitization induce distinct conformational changes at the extracellular-transmembrane domain interface of the glycine receptor. Wang Q, Lynch JW. J Biol Chem. 2011 Nov 4;286(44):38814-24. PMID: 21917927