SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GlyR alpha 1 + 2 + 3 antibody

Catalog Number: SL1524R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GlyR alpha 1 + 2 + 3
Immunogen:	KLH conjugated synthetic peptide derived from human GlyR alpha 1: 101-200/449
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Chicken, Dog, Horse)
Predicted MW.:	49kDa
Subcellular Location:	The cell membrane
Background:	Glycine receptors are members of the ligand-gated ion channel superfamily, which mediate fast inhibitory neurotransmission. The receptors are pentameric membrane proteins which form chloride channels. Binding of glycine to its receptor produces an increase in chloride conductance and membrane hyperpolarisation. Four genes encoding glycine receptor alpha subunits have been identified, together with a single beta polypeptide. Each subunit consists of a large extracellular N-terminal region, four transmembrane domains, and a large cytoplasmic domain. **Subcellular Location:** Cell Membrane **Database links:** **Entrez Gene:** 2741 Human

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 14654 Mouse **Entrez Gene:** 25674 Rat **Entrez Gene:** 281783 Cow **Entrez Gene:** 489172 Dog Omim: 138491 Human **SwissProt:** P57695 Cow **SwissProt:** P23415 Human **SwissProt:** Q64018 Mouse **SwissProt:** P07727 Rat **Unigene:** 121490 Human **Unigene:** 89320 Mouse **Unigene:** 10109 Rat Glycine receptor alpha 1 is an important inhibitory ion channel receptor in the central nervous system, is a neurotransmitter receptor protein in the mammalian central nervous system, and belongs to the ligand-gated ion channel superfamily.

[VALIDATION IMAGES]

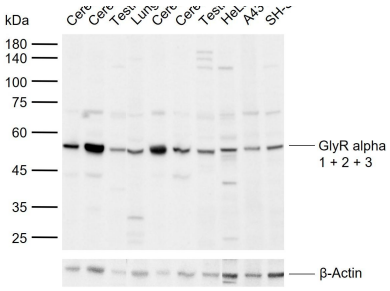


Figure 1. Sample: Lane 1: Mouse Cerebrum tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Mouse Testis tissue lysates Lane 4: Mouse Lung tissue lysates Lane 5: Rat Cerebrum tissue lysates Lane 6: Rat Cerebellum tissue lysates Lane 7: Rat Testis tissue lysates Lane 8: Human HeLa cell lysates Lane 9: Human A431 cell lysates Lane 10: Human SH-SY5Y cell lysates Primary: Anti-GlyR alpha 1 + 2 + 3 (SL1524R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 49 kDa Observed band size: 49 kDa

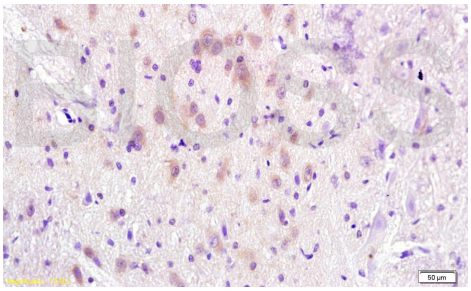


Figure 2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-GlyR alpha 1/2/3 Polyclonal Antibody, Unconjugated(SL1524R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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