

For Research Use Only

# GLRA1 Polyclonal antibody

Catalog Number: 17951-1-AP **5 Publications**



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>17951-1-AP        | <b>GenBank Accession Number:</b><br>BC074980   | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>750 µg/ml                   | <b>GeneID (NCBI):</b><br>2741                  | <b>Recommended Dilutions:</b><br>WB 1:500-1:3000             |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>P23415                   |  |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>glycine receptor, alpha 1 |  |
| <b>Immunogen Catalog Number:</b><br>AG12431 | <b>Calculated MW:</b><br>449 aa, 52 kDa        |  |
|   | <b>Observed MW:</b><br>48 kDa                  |  |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, ELISA         | <b>Positive Controls:</b><br>WB : mouse brain tissue, mouse cerebellum tissue, SH-SY5Y cells |
| <b>Cited Applications:</b><br>WB, IF, CoIP       |  |
| <b>Species Specificity:</b><br>human, mouse, rat |  |
| <b>Cited Species:</b><br>human, mouse            |  |

## Background Information

Glycine is an inhibitory neurotransmitter in the central nervous system. The glycine receptor (GlyR) is a member of the nicotinic acetylcholine receptor of ligand-gated ion channels. This receptor has important roles in a variety of physiological processes, especially in mediating inhibitory neurotransmission in the spinal cord and brain stem. GlyR is a pentameric receptor comprised of alpha and beta subunits. Four alpha-subunits (GLRA1, GLRA2, GLRA3, GLRA4) and one beta-subunit (GLRB) of GlyR have been identified. (PMID: 11409700; 15383648)

## Notable Publications

| Author            | Pubmed ID | Journal                   | Application |
|-------------------|-----------|---------------------------|-------------|
| Ghada I Aboheimed | 35526563  | J Biol Chem               | WB,IF       |
| Lin Yao           | 33727056  | Eur J Pharmacol           | WB          |
| Niannian Huang    | 31321459  | Psychopharmacology (Berl) | WB          |

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

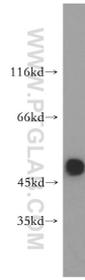
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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 17951-1-AP (GLRA1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.