

For Research Use Only

# GLRA1 Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 17951-1-AP	<b>GenBank Accession Number:</b> BC074980	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2741	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>Full Name:</b> glycine receptor, alpha 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 449 aa, 52 kDa	
<b>Immunogen Catalog Number:</b> AG12431	<b>Observed MW:</b> 48 kDa	

## Applications

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

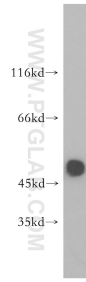
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

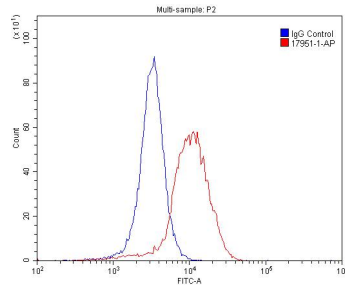
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## Selected Validation Data



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.



1X10<sup>6</sup> SH-SY5Y cells were stained with 0.2ug GLRA1 antibody (17951-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.