

For Research Use Only

GLRB Polyclonal antibody

Catalog Number: 15371-1-AP **2 Publications**



Basic Information

Catalog Number: 15371-1-AP	GenBank Accession Number: BC032635	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 2743	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P48167	
Isotype: IgG	Full Name: glycine receptor, beta	
Immunogen Catalog Number: AG4429	Calculated MW: 56 kDa	
	Observed MW: 56 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse brain tissue, rat brain tissue, mouse spinal cord tissue IHC : mouse cerebellum tissue, rat cerebellum tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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
Niannian Huang	31321459	Psychopharmacology (Berl)	WB
Zi-Yang Zhang	31433808	PLoS Biol	WB

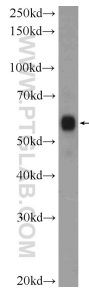
Storage

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

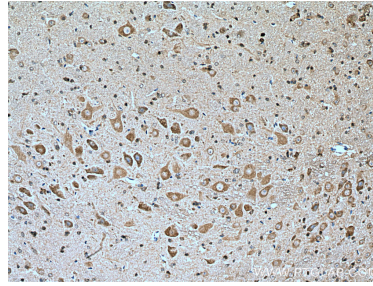
For technical support and original validation data for this product please contact:
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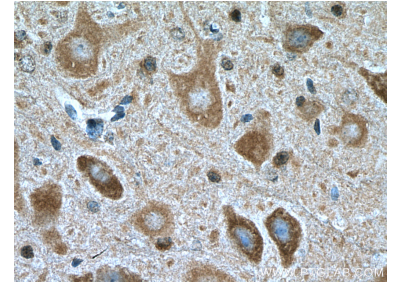
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 15371-1-AP (GLRB Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 15371-1-AP (GLRB antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 15371-1-AP (GLRB antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).