

GLRA4 Rabbit pAb

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Catalog # AP54723

Product Information

Application	WB
Primary Accession	Q61603
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52514
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse GLRA4
Epitope Specificity	31-130/455
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The glycine receptor is a neurotransmitter-gated ion channel. Binding of glycine to its receptor increases the chloride conductance and thus produces hyperpolarization (inhibition of neuronal firing).

Additional Information

Gene ID	14657
Other Names	Glycine receptor subunit alpha-4, Glra4
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Glra4
Function	Glycine receptors are ligand-gated chloride channels. Channel opening is triggered by extracellular glycine. Channel opening is also triggered by taurine and beta-alanine (PubMed: 10762330). Plays a role in the down-regulation of

neuronal excitability. Contributes to the generation of inhibitory postsynaptic currents (Probable).

Cellular Location

Postsynaptic cell membrane; Multi-pass membrane protein. Synapse. Perikaryon Cell projection, dendrite. Cell membrane; Multi-pass membrane protein

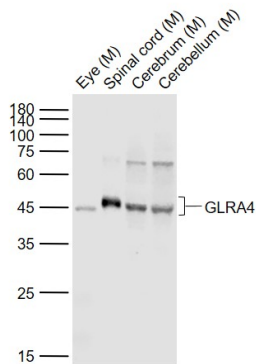
Tissue Location

Detected in the retina inner plexiform layer, especially at the border between layer three and four (at protein level) (PubMed:17154252).

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Images



Sample:

Lane 1: Eye (Mouse) Lysate at 40 ug

Lane 2: Spinal cord (Mouse) Lysate at 40 ug

Lane 3: Cerebrum (Mouse) Lysate at 40 ug

Lane 4: Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti-GLRA4 (AP54723) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48 kD

Observed band size: 45 kD

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