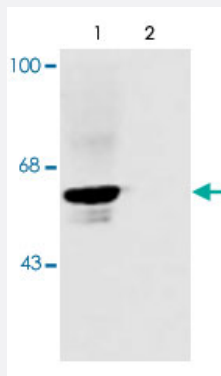


Gla1 polyclonal antibody

Catalog # PAB9701 Size 200 ug

Applications



Western Blot (Tissue lysate)

Western blot of rat spinal cord showing specific immunolabeling of the ~48k alpha1- and alpha2 subunits of the glycine receptor. The labeling was absent from a rat hippocampal (hipp) lysate as the glycine receptor is not expressed in the hippocampus.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Gla1.
Immunogen	A synthetic peptide corresponding to N-terminus of rat Gla1.
Host	Rabbit
Theoretical MW (kDa)	48
Reactivity	Human, Mouse, Rat
Specificity	Specific for the ~48k Gla1 and Gla2 in Western blots of rat spinal cord and brain stem and in cell extracts.
Form	Lyophilized
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Immunohistochemistry (Frozen sections) (1:1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	Lyophilized from 5 mM ammonium bicarbonate
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with PBS, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Frozen sections)

Gene Info — Glra1

Entrez GeneID	25674
Protein Accession#	P07727
Gene Name	Glra1
Gene Alias	GLYRA1
Gene Description	glycine receptor, alpha 1
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	glycine receptor, alpha 1 subunit

Publication Reference

- [A highly conserved aspartic acid residue in the signature disulfide loop of the alpha 1 subunit is a determinant of gating in the glycine receptor.](#)

Schofield CM, Jenkins A, Harrison NL.

The Journal of Biological Chemistry 2003 Jun; 278(36):34079.

- [Excitatory glycine receptors containing the NR3 family of NMDA receptor subunits.](#)

Chatterton JE, Awobuluyi M, Premkumar LS, Takahashi H, Talantova M, Shin Y, Cui J, Tu S, Sevarino KA, Nakanishi N, Tong G, Lipton SA, Zhang D.

Nature 2002 Feb; 415(6873):793.

- [Getting a bead on receptor movements.](#)

Craig AM, Lichtman JW.

Nature Neuroscience 2001 Mar; 4(3):219.