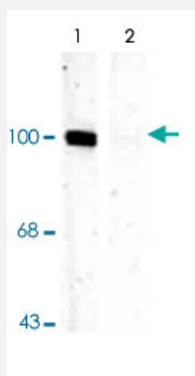


Gria1 (phospho S831) polyclonal antibody

Catalog # PAB9661 Size 150 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat hippocampal lysate showing specific immunolabeling of the ~100k Gria1 protein phosphorylated at Ser831 (Control). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the Gria1 (phospho S831) polyclonal antibody (Cat # PAB9661). The immunolabeling is completely eliminated by treatment with lambda-Ptase.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Gria1.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S831 of rat Gria1.
Host	Rabbit
Theoretical MW (kDa)	100
Reactivity	Chicken, Dog, Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

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Gene Info — Gria1

Entrez GeneID	50592
Protein Accession#	P19490
Gene Name	Gria1
Gene Alias	gluR-A
Gene Description	glutamate receptor, ionotropic, AMPA 1
Gene Ontology	Hyperlink
Gene Summary	ionotropic
Other Designations	glutamate receptor A glutamate receptor subunit GluR1 glutamate receptor, ionotropic, AMPA1 (alpha 1)

Publication Reference

- [Postsynaptic protein phosphorylation and LTP.](#)

Soderling TR, Derkach VA.

Trends in Neurosciences 2000 Feb; 23(2):75.

- [Phosphorylation of the alpha-amino-3-hydroxy-5-methylisoxazole4-propionic acid receptor GluR1 subunit by calcium/calmodulin-dependent kinase II.](#)

Mammen AL, Kameyama K, Roche KW, Huganir RL.

The Journal of Biological Chemistry 1997 Dec; 272(51):32528.

- [Characterization of multiple phosphorylation sites on the AMPA receptor GluR1 subunit.](#)

Roche KW, O'Brien RJ, Mammen AL, Bernhardt J, Huganir RL.

Neuron 1996 Jun; 16(6):1179.

Application: WB-Tr, Human, HEK 293 cells