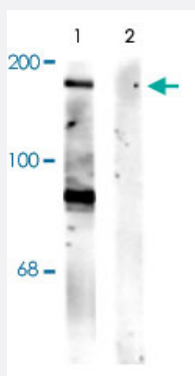


# Grin2b (phospho S1480) polyclonal antibody

Catalog # PAB9641

Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot of rat hippocampal lysate showing specific immunolabeling of the ~180k Grin2b subunit of the NMDAR phosphorylated at Ser1480 (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 Grin2b (phospho S1480) polyclonal antibody (Cat # PAB9641). The immunolabeling is completely eliminated by treatment with lambda-Ptase.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Grin2b.
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to residues surrounding S1480 of rat Grin2b.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	180
<b>Reactivity</b>	Bovine, Chicken, Dog, Human, Mouse, Primates, Rat, Zebra fish
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	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

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## Gene Info — Grin2b

Entrez GeneID	<a href="#">24410</a>
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Protein Accession#	<a href="#">Q00960</a>
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Gene Name	Grin2b
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Gene Alias	-
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Gene Description	glutamate receptor, ionotropic, N-methyl D-aspartate 2B
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Gene Ontology	<a href="#">Hyperlink</a>
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Gene Summary	ionotropic
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Other Designations	glutamate receptor, ionotropic, NMDA2B
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## Publication Reference

- [Regulation of the NMDA receptor complex and trafficking by activity-dependent phosphorylation of the NR2B subunit PDZ ligand.](#)

Chung HJ, Huang YH, Lau LF, Huganir RL.

Journal of Neuroscience 2004 Nov; 24(45):10248.

Application: WB, Human, Rat, HEK 293T cells, Rat brains

- [NMDA-receptor trafficking and targeting: implications for synaptic transmission and plasticity.](#)

Carroll RC, Zukin RS.

Trends in Neurosciences 2002 Nov; 25(11):571.

- [Trafficking of NMDA receptors.](#)

Wentholt RJ, Prybylowski K, Standley S, Sans N, Petralia RS.

Annual Review of Pharmacology and Toxicology 2002 Jan; 43:335.