GRIN2B (Phospho-Ser1303) Antibody

Catalog No: #11821

Package Size: #11821-1 50ul #11821-2 100ul



Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Host SpeciesRabbitClonalityPolyclonalPurificationAntibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.ApplicationsWBSpecies ReactivityHu Ms RtSpecificityThe antibody detects endogenous levels of GRIN2B only when phosphorylated at serine 1303.Immunogen TypePeptide-KLHImmunogen DescriptionPeptide sequence around phosphorylation site of Serine 1303(Q-H-S(p)-Y-D) derived from Human GRIN2B.Target NameGRIN2BModificationPhosphoOther NamesGRIN2B; NMDE2; NME2; NR2B; NR3Accession No.Swiss-Prot#: Q13224; NCBI Gene#: 2904; NCBI Protein#: NP_000825.2.UniprotQ13224GeneID2904;SDS-PAGE MW10/mg/ml	Description			
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and 50% glycerol.	Concentration	1.0mg/ml		
	Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide		
Storage Store at -20°C/1 year		and 50% glycerol.		
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Application Details

Western blotting: 1:500~1:1000

Images

GRIN2B pSer1303	Mouse				
(kd)		Brain	100 75 50 37 25 20 15		

Western blot analysis of extracts from Mouse brain cells using GRIN2B (Phospho-Ser1303) Antibody #11821.The lane on the right is treated with the antigen-specific peptide.

Background

N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2 subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain.

Adams S.L., Biochim. Biophys. Acta 1260:105-108(1995).

Hess S.D., J. Pharmacol. Exp. Ther. 278:808-816(1996).

Mandich P., Submitted (FEB-1997) to the EMBL/GenBank/DDBJ databases.

Note: This product is for in vitro research use only