

Rabbit Anti-GRIN2B Polyclonal Antibody

CPB-721RH Rabbit(GRIN2B)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-GRIN2B Polyclonal Antibody
Antigen Description	GRIN2B receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.
specificity	The antibody detects endogenous level of GRIN2B only when phosphorylated at Tyr1474.
Target	GRIN2B
Immunogen	Peptide sequence around phosphorylation site of Tyr1474 (H-V-Y(p)-E-K) derived from Human GRIN2B.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	IFA

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	GRIN2B glutamate receptor, ionotropic, N-methyl D-aspartate 2B [Homo sapiens]
Official Symbol	GRIN2B
Synonyms	GRIN2B; glutamate receptor, ionotropic, N-methyl D-aspartate 2B; NMDAR2B; glutamate [NMDA] receptor subunit epsilon-2; GluN2B; NR3; glutamate receptor subunit epsilon-2; N-methyl-D-aspartate receptor subunit 3; N-methyl D-aspartate receptor subtype 2B; MRD6; NR2B; hNR3; MGC142178; MGC142180;
GeneID	2904
mRNA Refseq	NM_000834
Protein Refseq	NP_000825
MIM	138252
UniProt ID	Q13224
Chromosome Location	12p12

Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
Function	D2 dopamine receptor binding; N-methyl-D-aspartate selective glutamate receptor activity; beta-catenin binding; cell adhesion molecule binding; drug binding; extracellular-glutamate-gated ion channel activity; glycine binding; ion channel activity; ionotropic glutamate receptor binding; metal ion binding; neurotransmitter binding; protein binding; protein heterodimerization activity; receptor activity; receptor binding; transporter activity; zinc ion binding;