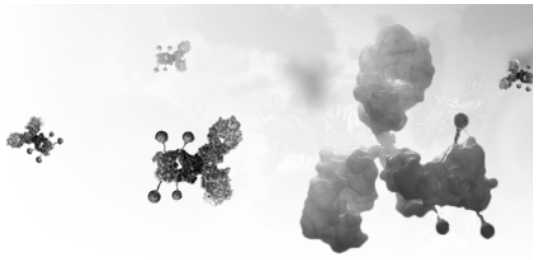

Anti-GRIN2B (aa 127-236) polyclonal antibody (DPAB-DC1466)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	GRIN2B (NP_000825, 127 a.a. ~ 236 a.a) partial recombinant protein with GST tag. The sequence is HGGSSMIMADKDESSMFFQFGPSIEQQASVMLNIMEEYDWYIFSIVTTYFPGYQDFVNKIRSTIENSFVGWELEEVLLLDMSLDDGDSKIQNQLKKLQSPIILLYCTKEE
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	GRIN2B glutamate receptor, ionotropic, N-methyl D-aspartate 2B [Homo sapiens (human)]
Official Symbol	GRIN2B
Synonyms	GRIN2B; glutamate receptor, ionotropic, N-methyl D-aspartate 2B; MRD6; NR2B; hNR3; GluN2B; NMDAR2B; glutamate receptor ionotropic, NMDA 2B; NR3; glutamate receptor subunit epsilon-2; N-methyl-D-aspartate receptor subunit 3; N-methyl D-aspartate receptor subtype 2B; glutamate [NMDA] receptor subunit epsilon-2;
Entrez Gene ID	2904
Protein Refseq	NP_000825
UniProt ID	Q13224
Chromosome Location	12p12
Pathway	Activation of NMDA receptor upon glutamate binding and postsynaptic events; Alcoholism; Alzheimers disease; Amphetamine addiction
Function	N-methyl-D-aspartate selective glutamate receptor activity; calcium channel activity; extracellular-glutamate-gated ion channel activity; glycine binding

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