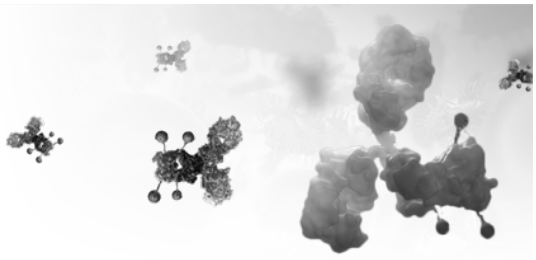

Hi-Puri™ Llama Anti-Human GluN2A Monoclonal antibody, clone NB-4 (DMAB-CDB26173)

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

PRODUCT INFORMATION

Specificity	NB-4 selectively binds to the GluN2A subunit.
Target	Human GRIN2A
Immunogen	Human GluN2A subunit
Isotype	VHH
Source/Host	Llama
Species Reactivity	Human
Clone	NB-4
Purification	Affinity chromatography
Conjugate	Unconjugated
Applications	Suitable for use in EM. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid
Concentration	lot specific
Size	200 µg, 1 mg

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Buffer	PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)
Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.
Ship	Dry ice

BACKGROUND

Introduction	GluN2 refers to a family of subunits that are part of the N-Methyl-D-aspartate receptors (NMDARs), which are a subtype of ionotropic glutamate receptors involved in excitatory neurotransmission, synaptic plasticity, and memory formation. The full name of GluN2 is Glutamate [NMDA] receptor subunit epsilon, and it includes four subtypes: GluN2A, GluN2B, GluN2C, and GluN2D, each encoded by separate genes (GRIN2A–GRIN2D). These subunits combine with GluN1 to form heterotetrameric receptor channels, and each GluN2 variant confers distinct biophysical and pharmacological properties, such as differences in channel kinetics, localization, and developmental expression patterns.
Keywords	GRIN2A; glutamate receptor, ionotropic, N-methyl D-aspartate 2A; GluN2A;

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