

AB-NN297-2

GluN2A/NR2A Antibody

Pan-specific monoclonal antibody (S327A-38) for monitoring the expression of rat GluN2A/NR2A



KINEXUS

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Target Protein

Name Long:	Glutamate receptor ionotropic, NMDA 2A
Alias:	NMDA 2A, NMDAR2A, NMDAR 2A, NMDA Receptor 2A, Glutamate Receptor, GRIN2A, Glutamate [NMDA] Receptor subunit epsilon-1, Glutamate receptor ionotropic N methyl D aspartate 2A, HNR2A, N methyl D aspartate receptor channel, subunit epsilon 1, N Methyl D Aspartate Receptor Subtype 2A, N methyl D aspartate receptor subunit 2A, NMDA receptor subtype 2A
UniProt ID:	Q00959 - Rat
Human Predicted Mass (KDa):	165.283 (1464 AA; Q547U9-1)
Observed SDS-PAGE Mass (KDa):	170

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 75-325 (extracellular N-terminus) of rat GluN2A/NR2A
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG2b
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-434 was sufficient for detection of GluN2A/NR2A in 20 µg of COS cells transiently transfected with GFP-tagged NR2A lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~170 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	Does not react with NR2B.

This product is for in vitro research use only and is not intended for use in humans or animals.

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