

AB-NN264-1

GluN1/NR1 Antibody

Pan-specific monoclonal antibody (S308-48) for monitoring the expression of rat GluN1/NR1



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Glutamate receptor ionotropic, NMDA 1 (GluN1/NR1)
Alias:	NMDAR1, NMDA Receptor 1, NMDAR, NMDA1, GRIN1, Glutamate [NMDA] receptor subunit zeta-1, Glutamate receptor ionotropic N methyl D aspartate 1, MRD8, N methyl D aspartate receptor, N methyl D aspartate receptor channel subunit zeta 1, N methyl D aspartate receptor subunit NR1, NMD-R1, NMDA 1, NMDA R1, NMDZ1_HUMAN, NR1, GluN1
UniProt ID:	P35439 - Rat
Human Predicted Mass (KDa):	107.909 (959 AA; Q05586-5); 106.015 (943 AA; Q05586-6); 105.373 (938 AA; Q05586-1); 103.479 (922 AA; Q05586-4); 101.851 (906 AA; Q05586-7); 101.209 (901 AA; Q05586-3); 99.315 (885 AA; Q05586-2)
Observed SDS-PAGE Mass (KDa):	105

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 42-361 (extracellular N-terminus) of rat NR1
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	95 IgG1
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 ICC/IF
Antibody Dilution Recommended:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-410 was sufficient for detection of NR1 glutamate receptor in 20 µg of rat brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~105 kDa protein.

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

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987