



## Goat anti-NMDA receptor 1 / GRIN1 Antibody

<b>Item Number</b>	dAP-0887
<b>Target Molecule</b>	Principle Name: NMDA receptor 1 / GRIN1; Official Symbol: GRIN1; All Names and Symbols: GRIN1; NMDA receptor 1; glutamate receptor, ionotropic, N-methyl D-aspartate 1 ; NMDA1; NMDAR1; NR1 ; N-methyl-D-aspartate receptor channel, subunit zeta-1; glutamate [NMDA] receptor subunit zeta 1; Accession Number (s): NP_000823.4; NP_067544.1; NP_015566.1; Human Gene ID(s): 2902; Non-Human GeneID (s): 14810 (mouse) 24408 (rat)
<b>Immunogen</b>	TQERVNNSNKKE, is from internal region This antibody is expected to recognise all three reported isoforms (NP_000823.4; NP_067544.1; NP_015566.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 1000.
<b>Western Blot</b>	Western Blot: Approx 100kDa band observed in Human Brain (Amylgada) and Rat Brain lysates (calculated MW of 101kDa according to Human NP_067544.1 and Rat NP_001257534.1. Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. Preliminary test
<b>IHC</b>	
<b>Reference</b>	Reference(s): Rajji T, Chapman D, Eichenbaum H, Greene R. The role of CA3 hippocampal NMDA receptors in paired associate learning. J Neurosci. 2006 Jan 18;26(3):908-15. .PMID: 16421310 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**