

MaxPab®

GRIN1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002902-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human GRIN1 protein.
Immunogen	GRIN1 (AAI56098.1, 1 a.a. ~ 938 a.a) full-length human protein.
Sequence	MSTMRLTLALLFSCSVARAACDPKIVNIGAVLSTRKHEQMFREAVNQANKRHGSWKIQLNATSV THKPNAIQMALSVCEDLISSQVYAILVSHPTPNDFHTPTVPSYTAGFYRIPVLGLTTRMSIYSDKSIH LSFLRTVPPYSHQSSVWFEMMRVYSWNHILLVSDDHEGRAAQKRLETLLERESKAKEVLQFDP GTKNVTALLMEAKELEARVILSASEDDAATVYRAAAMLNMTGSGYVWLVGEREISGNALRYAPD GILGLQLINGKNESAHSIDAVGVVAQAVHELLEKENITDPPRGCVGNTNIWKTGPLFKRVLMSKYA DGV TGRVEFNEDGDRKFANYSIMNLQNRKLVQVGMNGTHVIPNDRKIIMPGETEKPRGYQMSTR LKVTIHQEPFVYVKPTLSDGTCKEEFTVNGDPVKKVICTGPNDTSPGSPRHTVPQCCYGFCDLLI KLARTMNFTYEVHLVADGKFGTQERVNNSNKKKEWNGMMGELLSGQADMIVAPLTINNERAQYIEF SKPFKYQGLTILVKKEIPRSTLDSFMQPFQSTLWLLVGLSVHVAVMLYLLDRFSPFGRFKVNSEE EEEDALTLSSAMWFSWGVLLNSGIGEGAPRSFSARILGMVWAGFAMIIVASYTANLA AFLVDRP EERITGINDPRLRNPSDKFIYATVKQSSVDIYFRQVELSTMYRHMEKHNYESAAEAIQAVRDNLH AFIWDSAVLEFEASQKCDLVTTGELFFRSGFGIGMRKDSPWKQNVSLSILKSHENGFMEDLDKT WVRYQECDSRSNAPATLTFENMAGVFMVLVAGGVAGIFLIFIEIAYKRHKDARRKQMQLAFAAVNV WRKNLQDRKSGRAEPDPKKKATFRAITSTLASSFKRRRSSKDTSTGGGRGALQNQKDTVLPRA IEREEGQLQLCSRHRES
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (97)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — GRIN1

Entrez GeneID [2902](#)

GeneBank Accession# [BC156097.1](#)

Protein Accession# [AAI56098.1](#)

Gene Name GRIN1

Gene Alias NMDA1, NMDAR1, NR1

Gene Description glutamate receptor, ionotropic, N-methyl D-aspartate 1

Omim ID [138249](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, member s of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq]

Other Designations N-methyl-D-aspartate receptor channel, subunit zeta-1|NMDA receptor 1|OTTHUMP00000022678|glutamate [NMDA] receptor subunit zeta 1

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cognition](#)
- [Disease Models](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Parkinson Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Spasms](#)
- [Substance Withdrawal Syndrome](#)
- [Weight Gain](#)
- [Weight Loss](#)