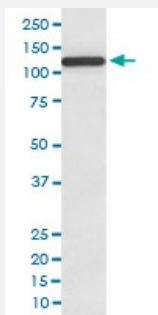


GRIN1 monoclonal antibody, clone AAHF-7

Catalog # MAB20245 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of mouse brain lysate with GRIN1 monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human GRIN1.
Immunogen	A synthetic peptide corresponding to human GRIN1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of mouse brain lysate with GRIN1 monoclonal antibody.

Gene Info — GRIN1

Entrez GeneID [2902](#)

Protein Accession# [Q05586](#)

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, members 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](#)