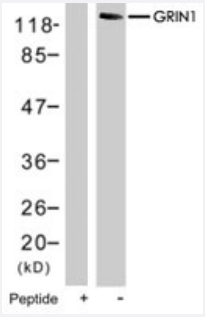
GRIN1 polyclonal antibody

Catalog # PAB7657 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot analysis of extract from mouse brain tissue, using GRIN1 polyclonal antibody (Cat # PAB7657).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GRIN1.
Immunogen	A synthetic peptide corresponding to residues surrounding S896 of human GRIN1.
Host	Rabbit
Theoretical MW (kDa)	120
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Immunoaffinity purification
Concentration	1 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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  Western blot analysis of extract from mouse brain tissue, using GRIN1 polyclonal antibody (Cat # PAB7657).

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, member s of the glutamate receptor channel superfamily which are heteromeric protein complexes with mu ltiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the pl asticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are t hought to control expression of different isoforms, possibly contributing to the functional diversity o f 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|OTTHUMP0000002267 8|glutamate [NMDA] receptor subunit zeta 1

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Calcium signaling pathway
- Long-term potentiation

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- 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

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