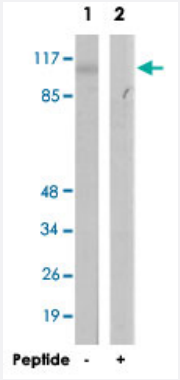
GRIN1 polyclonal antibody

Catalog # PAB18493 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from Jurkat cells, using GRIN1 polyclonal antibody (Cat # PAB18493).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GRIN1.
Immunogen	A synthetic peptide corresponding to residues surrounding S897 of human GRIN1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to GRIN1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

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

- Western Blot (Cell lysate)

  Western blot analysis of extracts from Jurkat cells, using GRIN1 polyclonal antibody (Cat # PAB18493).
  Peptide "+" means "peptide blocking".

- Immunohistochemistry

- Enzyme-linked Immunoabsorbent Assay

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

Publication Reference

- Characterization of hPRP4 kinase activation: potential role in signaling.

  Huang Y, Deng T, Winston BW.

  Biochemical and Biophysical Research Communications 2000 May; 271(2):456.

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