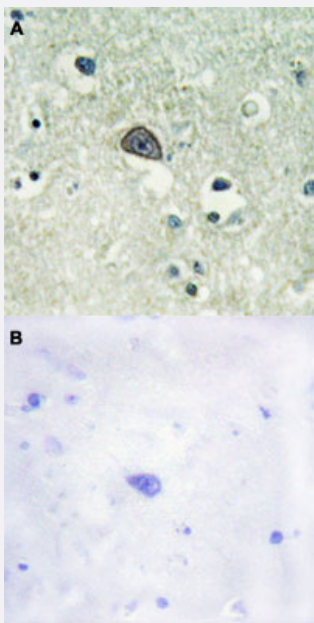


GRIN1 (phospho S890) polyclonal antibody

Catalog # PAB29269

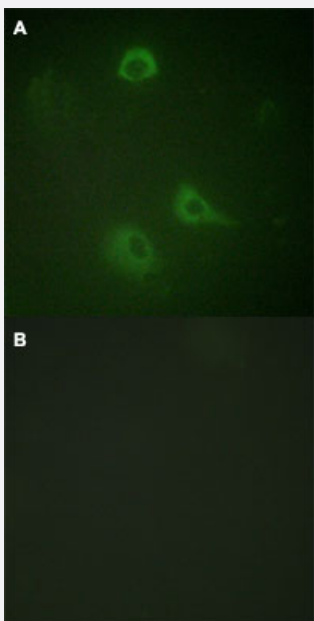
Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with GRIN1 (phospho S890) polyclonal antibody (Cat# PAB29269) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.



Immunofluorescence

Immunofluorescence staining of methanol-fixed A-549 cells with GRIN1 (phospho S890) polyclonal antibody (Cat# PAB29269) without blocking peptide (A) or preincubated with blocking peptide (B) at 1:100-1:200 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human GRIN1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S890 of human GRIN1.
Host	Rabbit
Theoretical MW (kDa)	120
Reactivity	Human, Mouse, Rat
Specificity	GRIN1 (phospho S890) polyclonal antibody detects endogenous levels of human GRIN1 only when phosphorylated at serine 890.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100~1:200) Immunohistochemistry (1:50~1:100) 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)
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 should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with GRIN1 (phospho S890) polyclonal antibody (Cat# PAB29269) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

- Immunofluorescence

Immunofluorescence staining of methanol-fixed A-549 cells with GRIN1 (phospho S890) polyclonal antibody (Cat# PAB29269) without blocking peptide (A) or preincubated with blocking peptide (B) at 1:100-1:200 dilution.

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](#)
- [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](#)