

GRID1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13651B**Specification**

GRID1 Antibody (C-term) - Product Information

| | |
|-------------------|---|
| Application | WB, IHC-P,E |
| Primary Accession | Q9ULK0 |
| Other Accession | Q62640 , Q61627 , NP_060021.1 |
| Reactivity | Mouse |
| Predicted | Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 112131 |
| Antigen Region | 846-875 |

GRID1 Antibody (C-term) - Additional Information**Gene ID** 2894**Other Names**

Glutamate receptor ionotropic, delta-1, GluD1, GluR delta-1 subunit, GRID1, KIAA1220

Target/Specificity

This GRID1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 846-875 amino acids from the C-terminal region of human GRID1.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GRID1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GRID1 Antibody (C-term) - Protein Information**Name** GRID1

Synonyms KIAA1220

Function Receptor for glutamate. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. The postsynaptic actions of Glu are mediated by a variety of receptors that are named according to their selective agonists.

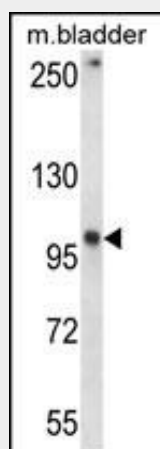
Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi- pass membrane protein

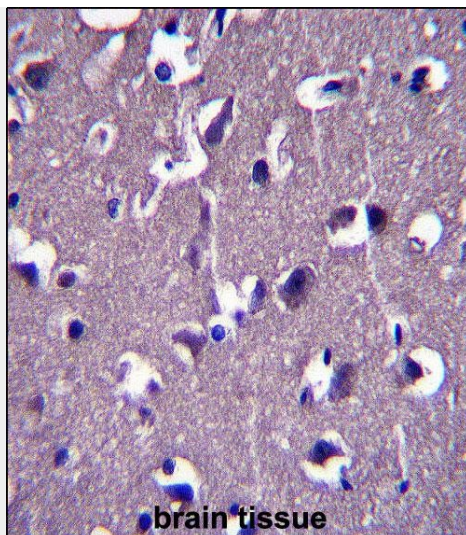
GRID1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GRID1 Antibody (C-term) - Images

GRID1 Antibody (C-term) (Cat. #AP13651b) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the GRID1 antibody detected the GRID1 protein (arrow).



GRID1 Antibody (C-term) (Cat. #AP13651b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GRID1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GRID1 Antibody (C-term) - Background

This gene encodes a subunit of glutamate receptor channels. These channels mediate most of the fast excitatory synaptic transmission in the central nervous system and play key roles in synaptic plasticity.

GRID1 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Vasan, R.S., et al. JAMA 302(2):168-178(2009)
Treutlein, J., et al. Schizophr. Res. 111 (1-3), 123-130 (2009) :
Guo, S.Z., et al. Schizophr. Res. 93 (1-3), 385-390 (2007) :
Fallin, M.D., et al. Am. J. Hum. Genet. 77(6):918-936(2005)