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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 Ig**
Calculated MW	**112131**
Antigen Region	**846-875**

GRID1 Antibody (C-term) - Additional Information

Gene ID 2894

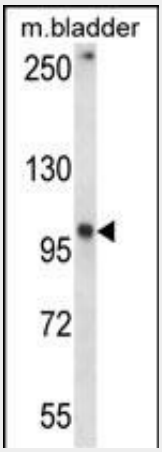
Other Names
Glutamate receptor ionotropic, delta-1, GluD1, GluR delta-1 subunit, GRID1, KIAA1220

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.

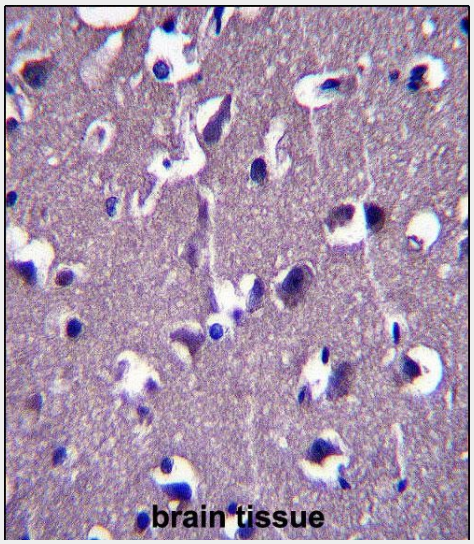
Dilution
WB~~1:1000
IHC-P~~1:10~50

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.



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.

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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. Cell junction, synapse, 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 Cytomety
- Cell Culture

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) :
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Fallin, M.D., et al. Am. J. Hum. Genet. 77(6):918-936(2005)