

**GRIK2 Antibody**  
**Rabbit mAb**  
**Catalog # AP92443****Specification**

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**GRIK2 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q13002</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
EAA4; GLR6; MRT6; GLUK6; GLUR6; GluK2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	102583 Da

**GRIK2 Antibody - Additional Information**

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human GRIK2
Description	Ionotropic glutamate receptor. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**GRIK2 Antibody - Protein Information****Name** GRIK2**Synonyms** GLUR6**Function**

Ionotropic glutamate receptor that functions as a cation permeable ligand-gated ion channel, gated by L-glutamate and the glutamatergic agonist kainic acid. L-glutamate acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then

desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist (PubMed:<a href="http://www.uniprot.org/citations/14511640" target="\_blank">14511640</a>, PubMed:<a href="http://www.uniprot.org/citations/28180184" target="\_blank">28180184</a>, PubMed:<a href="http://www.uniprot.org/citations/34375587" target="\_blank">34375587</a>, PubMed:<a href="http://www.uniprot.org/citations/7536611" target="\_blank">7536611</a>, PubMed:<a href="http://www.uniprot.org/citations/8730589" target="\_blank">8730589</a>). Modulates cell surface expression of NETO2. In association with GRIK3, involved in presynaptic facilitation of glutamate release at hippocampal mossy fiber synapses (By similarity).

#### Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:P42260}; Multi-pass membrane protein

#### Tissue Location

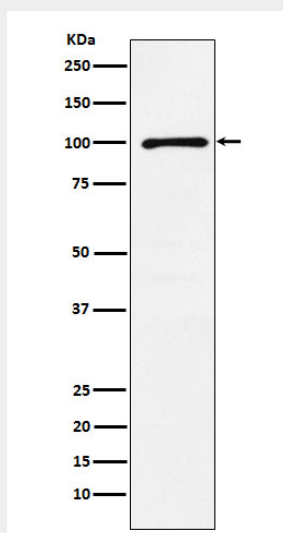
Expression is higher in cerebellum than in cerebral cortex.

### GRIK2 Antibody - 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](#)

### GRIK2 Antibody - Images



Western blot analysis of GRIK2 expression in A431 cell lysate.