

**GRIK2 (GluR6) Polyclonal Antibody**  
**Catalog # AP63690****Specification****GRIK2 (GluR6) Polyclonal Antibody - Product Information**

Application	IHC-P
Primary Accession	<a href="#">Q13002</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**GRIK2 (GluR6) Polyclonal Antibody - Additional Information****Gene ID** 2898**Other Names**

Glutamate receptor, ionotropic kainate 2 (Excitatory amino acid receptor 4) (EAA4) (Glutamate receptor 6) (GluR-6) (GluR6)

**Dilution**

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**GRIK2 (GluR6) Polyclonal 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: [14511640](http://www.uniprot.org/citations/14511640), PubMed: [28180184](http://www.uniprot.org/citations/28180184), PubMed: [34375587](http://www.uniprot.org/citations/34375587), PubMed: [7536611](http://www.uniprot.org/citations/7536611), PubMed: [8730589](http://www.uniprot.org/citations/8730589)). 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

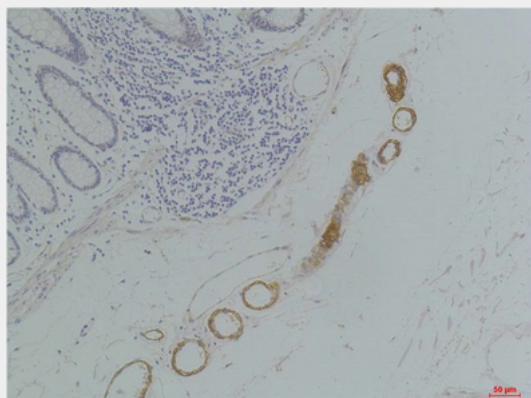
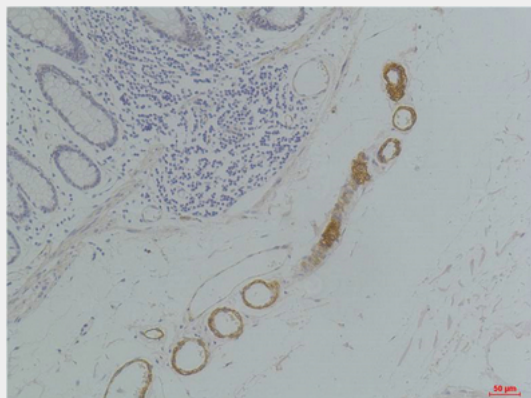
Expression is higher in cerebellum than in cerebral cortex.

### GRIK2 (GluR6) Polyclonal 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 (GluR6) Polyclonal Antibody - Images



### GRIK2 (GluR6) Polyclonal Antibody - Background

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. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist (PubMed:28180184). May be involved in the transmission of light information from the retina to the hypothalamus. Modulates cell surface expression of NETO2 (By similarity).