

GRIK2 (GluR6) Polyclonal Antibody

Catalog # AP63690

Product Information

Application	IHC-P
Primary Accession	Q13002
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	102583

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

Protein Information

Name	GRIK2
Synonyms	GLUR6
Function	<p>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, PubMed:28180184, PubMed:34375587, PubMed:7536611, PubMed: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).</p>
Cellular Location	Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250 UniProtKB:P42260}; Multi-pass membrane protein

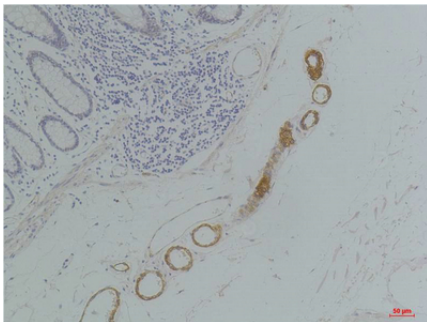
Tissue Location

Expression is higher in cerebellum than in cerebral cortex.

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).

Images



Immunohistochemical analysis of paraffin-embedded Human Colon Tissue using GRIK2(GluR6) Rabbit pAb diluted at 1:200.

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