

Anti-GRIK2 Rabbit Monoclonal Antibody
Catalog # ABO15862**Specification**

Anti-GRIK2 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	Q13002
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-GRIK2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-GRIK2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 2898

Other Names

Glutamate receptor ionotropic, kainate 2, GluK2, Excitatory amino acid receptor 4, EAA4, Glutamate receptor 6, GluR-6, GluR6, GRIK2, GLUR6

Calculated MW

103 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human GRIK2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-GRIK2 Rabbit Monoclonal 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, 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).

Cellular Location

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

Tissue Location

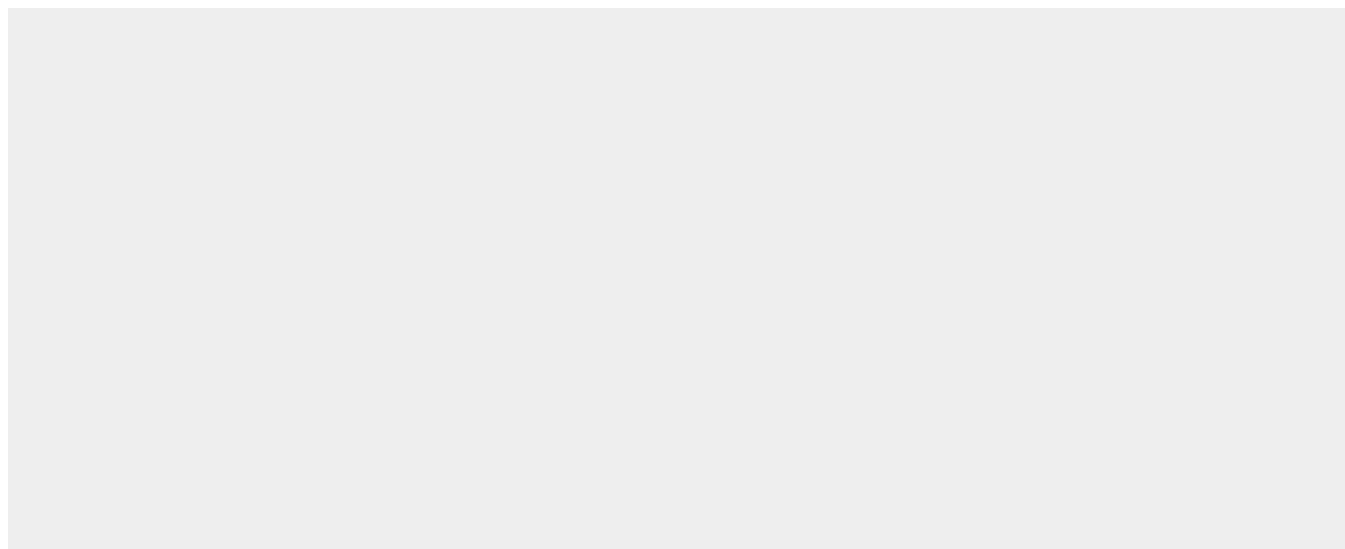
Expression is higher in cerebellum than in cerebral cortex.

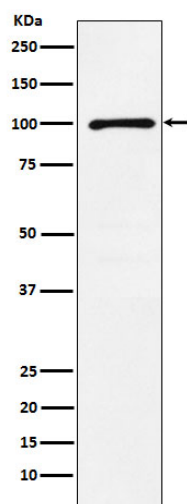
Anti-GRIK2 Rabbit Monoclonal Antibody - Protocols

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](#)

Anti-GRIK2 Rabbit Monoclonal Antibody - Images





Western blot analysis of GRIK2 expression in A431 cell lysate.