

ARG46190 anti-GRIK5 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GRIK5
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GRIK5
Species	Human
Immunogen	A 17 amino acid synthetic peptide within the last 50 amino acids of human GRIK5.
Conjugation	Un-conjugated
Alternate Names	GRIK5; GluK5; GRIK2 (Previous symbols); Glutamate receptor ionotropic, kainate 5; Excitatory amino acid receptor 2; KA2; EAA2; Glutamate receptor KA-2

Application Instructions

Application table	Application	Dilution
	IHC-P	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

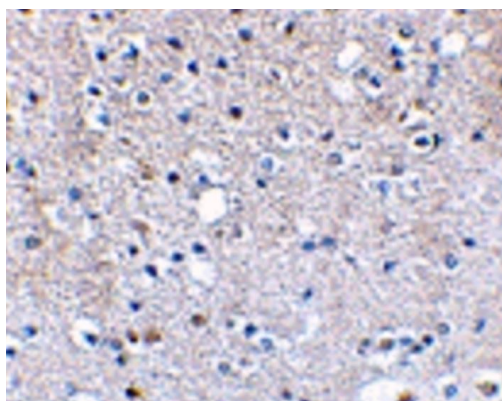
Purification	Affinity chromatography purified
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GRIK5
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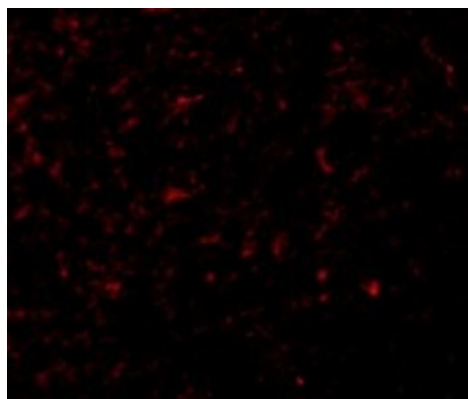
Gene Full Name	glutamate receptor, ionotropic, kainate 5
Background	This gene encodes a protein that belongs to the glutamate-gated ionic channel family. Glutamate functions as the major excitatory neurotransmitter in the central nervous system through activation of ligand-gated ion channels and G protein-coupled membrane receptors. The protein encoded by this gene forms functional heteromeric kainate-preferring ionic channels with the subunits encoded by related gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
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. This receptor binds kainate > quisqualate > domoate > L-glutamate >> AMPA >> NMDA = 1S,3R-ACPD. [UniProt]
Calculated Mw	109 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein. [UniProt]

Images



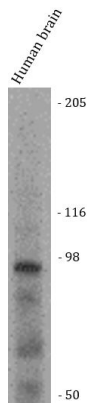
ARG46190 anti-GRIK5 antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG46190 anti-GRIK5 antibody.



ARG46190 anti-GRIK5 antibody ICC/IF image

Immunofluorescence: Human brain stained with ARG46190 anti-GRIK5 antibody.



ARG46190 anti-GRIK5 antibody WB image

Western blot: Human brain stained with ARG46190 anti-GRIK5 antibody.