

ARG42640 anti-GRIK2 / GluK2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GRIK2 / GluK2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GRIK2 / GluK2
Species	Human
Immunogen	Synthetic peptide derived from Human GRIK2 / GluK2.
Conjugation	Un-conjugated
Alternate Names	GLUK6; Glutamate receptor ionotropic, kainate 2; GluK2; Excitatory amino acid receptor 4; GLUR6; GluR-6; EAA4; MRT6; GLR6; Glutamate receptor 6; GluR6

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	293T	
Observed Size	~ 97 kDa	

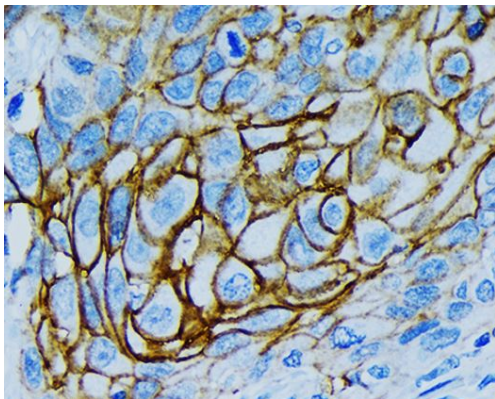
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide, 50% Glycerol and 1% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 1% BSA
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

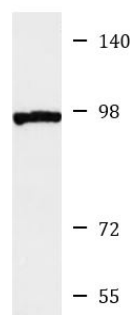
Gene Symbol	GRIK2
Gene Full Name	glutamate receptor, ionotropic, kainate 2
Background	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to the kainate family of glutamate receptors, which are composed of four subunits and function as ligand-activated ion channels. The subunit encoded by this gene is subject to RNA editing at multiple sites within the first and second transmembrane domains, which is thought to alter the structure and function of the receptor complex. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. Mutations in this gene have been associated with autosomal recessive cognitive disability. [provided by RefSeq, Jul 2008]
Function	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). [UniProt]
Calculated Mw	103 kDa

Images



ARG42640 anti-GRIK2 / GluK2 antibody IHC-P image

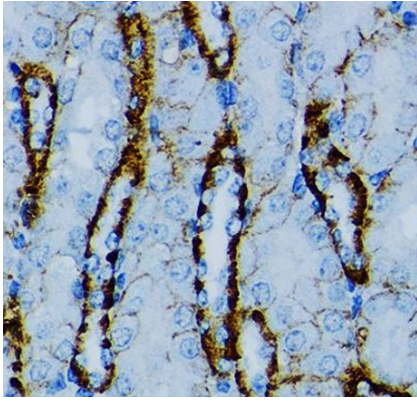
Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG42640 anti-GRIK2 / GluK2 antibody at 1:100 dilution.



293T

ARG42640 anti-GRIK2 / GluK2 antibody WB image

Western blot: 25 µg of 293T cell lysate stained with ARG42640 anti-GRIK2 / GluK2 antibody at 1:1000 dilution.



ARG42640 anti-GRIK2 / GluK2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse kidney tissue stained with ARG42640 anti-GRIK2 / GluK2 antibody at 1:100 dilution.