Datasheet for ABIN7153973

anti-GRIK2 antibody (AA 203-500)

2 Images

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Overview

Quantity:	100 µL
Target:	GRIK2
Binding Specificity:	AA 203-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Glutamate receptor ionotropic, kainate 2 protein (203-500AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	GRIK2
Alternative Name:	GRIK2 (GRIK2 Products)
Background:	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-

Target Details

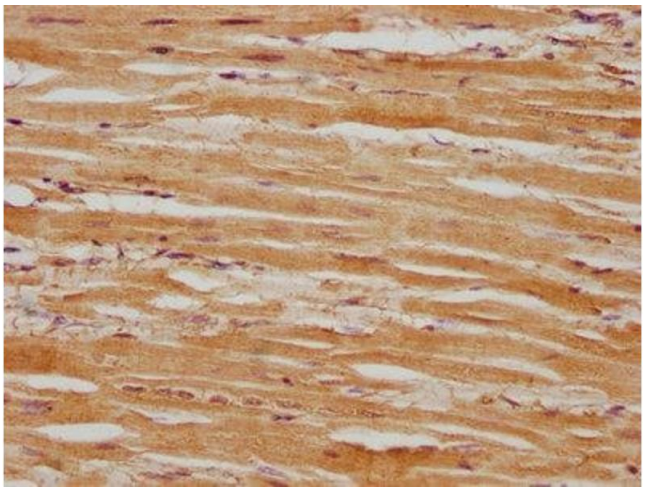
	glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist (PubMed:28180184). May be involved in the transmission of light information from the retina to the hypothalamus. Modulates cell surface expression of NETO2 (By similarity). Aliases: bA487F5.1 antibody, EAA4 antibody, Excitatory amino acid receptor 4 antibody, GLR 6 antibody, GLR6 antibody, GluK2 antibody, GLUK6 antibody, GLUR 6 antibody, GluR-6 antibody, GluR6 antibody, Glutamate receptor 6 antibody, Glutamate receptor antibody, glutamate receptor form A antibody, glutamate receptor form B antibody, glutamate receptor form C antibody, glutamate receptor form D antibody, glutamate receptor form E antibody, Glutamate receptor ionotropic kainate 2 antibody, GRIK 2 antibody, GRIK2 antibody, GRIK2 protein antibody, GRIK2_HUMAN antibody, ionotropic kainate 2 antibody, MRT6 antibody
UniProt:	Q13002
Pathways:	Synaptic Membrane, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

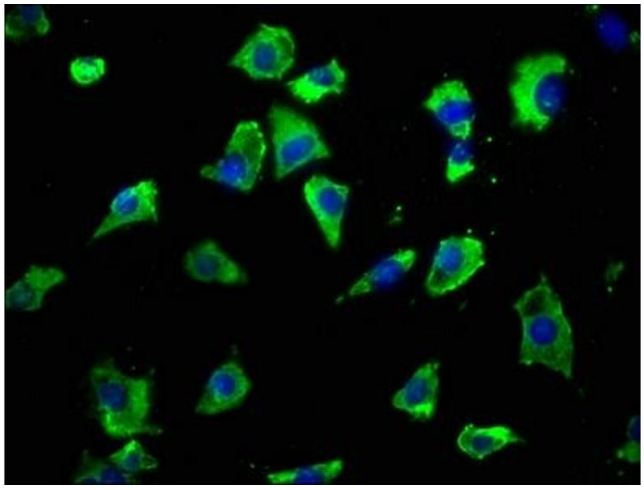
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7153973 diluted at 1:100 and staining in paraffin-embedded human heart tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of SH-SY5Y cells with ABIN7153973 at 1:50, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

