Datasheet for ABIN7153961

anti-Glutamate Receptor 3 antibody (AA 151-250)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Glutamate Receptor 3 (GRIA3)
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutamate Receptor 3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Glutamate receptor 3 protein (151-250AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Glutamate Receptor 3 (GRIA3)
Alternative Name:	GRIA3 (GRIA3 Products)
Background:	Background: Receptor for glutamate that functions as ligand-gated ion channel in the central nervous system and plays an important role in excitatory synaptic transmission. L-glutamate

Target Details

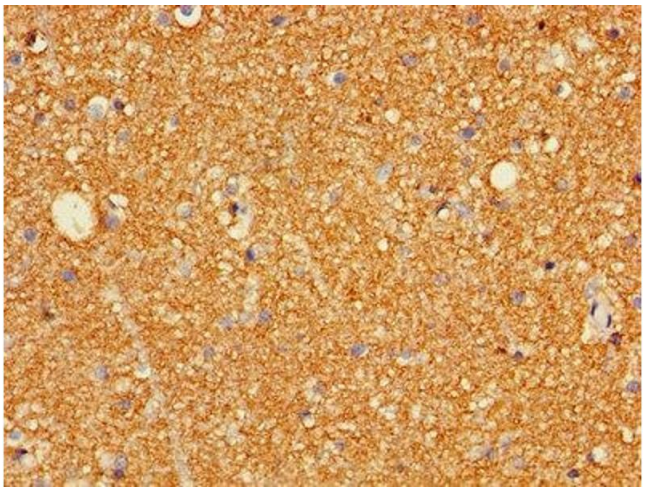
	acts as an excitatory neurotransmitter at many synapses in the central nervous system. Binding of the excitatory neurotransmitter L-glutamate induces a conformation change, leading to the opening of the cation channel, and thereby converts the chemical signal to an electrical impulse. The receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. In the presence of CACNG4 or CACNG7 or CACNG8, shows resensitization which is characterized by a delayed accumulation of current flux upon continued application of glutamate. Aliases: AMPA 3 antibody, AMPA selective glutamate receptor 3 antibody, AMPA-selective glutamate receptor 3 antibody, dJ1171F9.1 antibody, GluA3 antibody, GLUK3 antibody, GluR 3 antibody, GLUR C antibody, GLUR K3 antibody, GluR-3 antibody, GluR-C antibody, GluR-K3 antibody, GLUR3 antibody, GLURC antibody, Glutamate ionotropic receptor AMPA type subunit 3 antibody, Glutamate receptor 3 antibody, Glutamate receptor C antibody, Glutamate receptor ionotrophic AMPA 3 antibody, Glutamate receptor ionotropic antibody, Glutamate receptor subunit 3 antibody, Glutamate receptor, ionotropic, AMPA 3 antibody, GRIA 3 antibody, Gria3 antibody, GRIA3_HUMAN antibody, Ionotrophic Glutamate Receptor antibody, MRX94 antibody
UniProt:	P42263
Pathways:	PI3K-Akt Signaling, cAMP Metabolic Process, Synaptic Membrane

Application Details

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

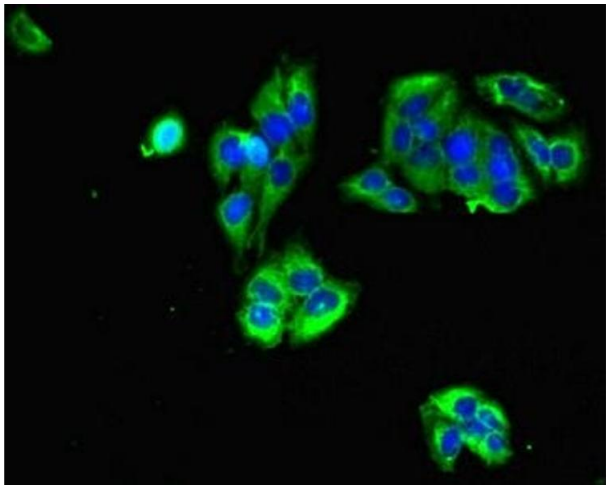
Handling

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. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7153961 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescent analysis of PC-3 cells using ABIN7153961 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)