

Datasheet for ABIN7153969
anti-GRIK1 antibody (AA 675-834)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	GRIK1
Binding Specificity:	AA 675-834
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIK1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Glutamate receptor ionotropic, kainate 1 protein (675-834AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GRIK1
Alternative Name:	GRIK1 (GRIK1 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. May be involved in the transmission of light information from the retina to the hypothalamus. Aliases: EAA3 antibody, EEA3 antibody, Excitatory amino acid receptor 3 antibody, GLR5 antibody, GluR-5 antibody, GluR5 antibody, GluR6 antibody, GluR7 antibody, Glutamate receptor 5 antibody, Glutamate receptor antibody, Glutamate receptor ionotropic kainate 1 antibody, GRIK1 antibody, GRIK1_HUMAN antibody, Human glutamate receptor GLUR5 antibody, ionotropic kainate 1 antibody, OTTHUMP00000096569 antibody

UniProt: [P39086](#)

Pathways: [Synaptic Membrane](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

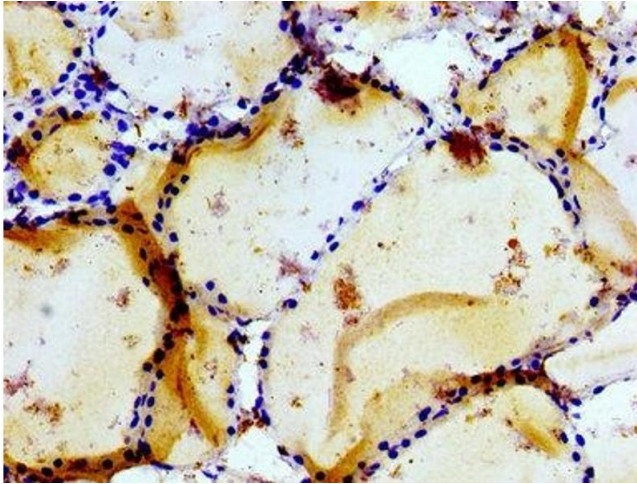
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

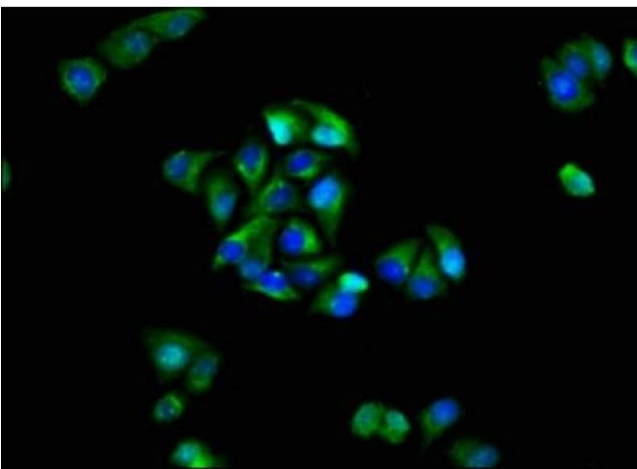
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human thyroid tissue using ABIN7153969 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells with ABIN7153969 at 1:100, 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-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).