# antibodies -online.com







3 Images



Go to Product page

$\sim$	
( )\/⊝	view
$\bigcirc$ $\lor$ $\bigcirc$	V I C V V

Quantity:	100 μL
Target:	GRIA4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRIA4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

# **Product Details**

Immunogen:	A synthesized peptide derived from human GRIA4
Isotype:	IgG
Specificity:	GRIA4 Antibody detects endogenous levels of total GRIA4
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

# **Target Details**

Target:	GRIA4
Alternative Name:	GRIA4 (GRIA4 Products)
Background:	Description: 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 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.

Gene: GRIA4

Molecular Weight: 120 kDa

Gene ID: 2893

UniProt: P48058

Pathways: PI3K-Akt Signaling

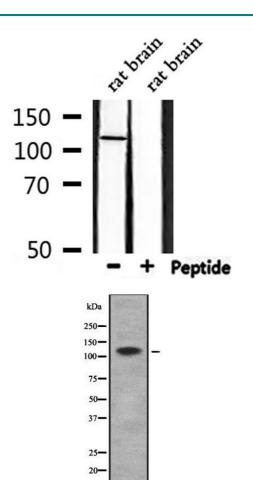
### **Application Details**

Application Notes: WB 1:1000-3000, IF/ICC 1:100-1:500

Restrictions: For Research Use only

# Handling

Format: Liquid Concentration: 1 mg/mL Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4,  $150\,$  mM NaCl,  $0.02\,$ % sodium azide and  $50\,$ % glycerol. Preservative: Sodium azide Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. Storage: -20 °C Store at -20 °C. Stable for 12 months from date of receipt Storage Comment: **Expiry Date:** 12 months

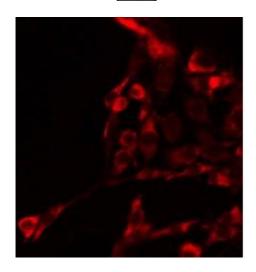


### **Western Blotting**

**Image 1.** Western blot analysis of extracts from rat brain, using GRIA4 Antibody.

### **Western Blotting**

**Image 2.** Western blot analysis of GRIA4 using COS7 whole lysates.



15-

### Immunofluorescence (fixed cells)

**Image 3.** ABIN6278063 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibod