Rabbit Anti-GRIA2 Polyclonal Antibody

CPB-815RH Rabbit(GRIA2)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rabbit Anti-GRIA2 Polyclonal Antibody
Antigen Description	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.
specificity	The antibody detects endogenous level of GRIA2 (Precursor) only when phosphorylated at serine 880.
Target	GRIA2
Immunogen	Peptide sequence around phosphorylation site of serine 880 (I-E-S(p)-V-K) derived from Human GRIA2.
Host	Rabbit
Species	Human
Cross Reactivity	Human; Mouse; Rat
conjugation	N/A
Applications	WB

PACKAGING

Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C /1 year

ANTIGEN GENE INFORMATION

Gene Name	GRIA2 glutamate receptor, ionotropic, AMPA 2 [Homo sapiens]
Official Symbol	GRIA2
Synonyms	GRIA2; glutamate receptor, ionotropic, AMPA 2; GLUR2; glutamate receptor 2; GluA2; GLURB; gluR-2; gluR-B; AMPA-selective glutamate receptor 2; HBGR2; GluR-K2;
GeneID	2891
mRNA Refseq	NM_000826
Protein Refseq	NP_000817
MIM	138247
UniProt ID	P42262
Chromosome Location	4q32.1

45-16 Ramsey Road Shirley, NY 11967, USA
Tel: 631-624-4882 ·Fax:631-614-7828
E-mail: info@creative-diagnostics.com
www.creative-diagnostics.com

Pathway	Activation of AMPA receptors, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Cocaine addiction, organism-specific biosystem;
Function	alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate selective glutamate receptor activity; extracellular-glutamate-gated ion channel activity; glutamate receptor activity; ion channel activity; kainate selective glutamate receptor activity; receptor activity;

45-16 Ramsey Road Shirley, NY 11967, USA
Tel: 631-624-4882 ·Fax:631-614-7828
E-mail: info@creative-diagnostics.com
www.creative-diagnostics.com