G-Biosciences Image not found or type unknown

Immunotag™ Phospho-GluR2 (Ser880) Antibody

Antibody Specification

Catalog No.	ITA1076
Product Description	Immunotag™ Phospho-GluR2 (Ser880) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-GluR2 (Ser880)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human GluR2 around the phosphorylation site of Serine 880
Specificity	Phospho-GluR2 (Ser880) Antibody detects endogenous levels of GluR2 only when phosphorylated at Serine 880
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	GRIA2
Accession No.	P42262

Antibody Specification

Alternate Names	AMPA 2; AMPA selective glutamate receptor 2; AMPA-selective glutamate receptor 2; AMPA2; GluA2; GLUR 2; GLUR B; GluR K2; GluR-2; GluR-B; GluR-K2; GLUR2; GLURB; Glutamate receptor 2; Glutamate receptor ionotropic AMPA 2; Glutamate receptor ionotropic; Gria2; GRIA2_HUMAN; HBGR2;
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. Through complex formation with NSG1, GRIP1 and STX12 controls the intracellular fate of AMPAR and the endosomal sorting of the GRIA2 subunit toward recycling and membrane targeting (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	99kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.