GluR2 (phospho-Ser880) Conjugated Antibody

Catalog No: #C11292

Package Size: #C11292-AF350 100ul #C11292-AF405 100ul #C11292-AF488 100ul #C11292-AF555 100ul #C11292-AF594 100ul #C11292-AF647 100ul #C11292-AF680 100ul #C11292-AF750 100ul #C11292-Biotin 100ul

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Description

Product Name	GluR2 (phospho-Ser880) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of GluR2 only when phosphorylated at serine 880.
Immunogen Description	Peptide sequence around phosphorylation site of serine 880 (I-E-S(p)-V-K) derived from Human GluR2.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	GRIA2;GluR-2;GluR-B;GluR-K2;AMPA 2
Accession No.	Swiss-Prot#:P42262NCBI Gene ID:2891NCBI mRNA#:NM_000826.3 NCBI Protein#:NP_000817.2
Uniprot	P42262
GeneID	2891;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	100
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

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-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.

Note: This product is for in vitro research use only