



GluR2 (Phospho-Ser880) Antibody

#11292

Catalog Number: 11292-1, 11292-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P42262

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human GluR2 around the phosphorylation site of serine 880 (I-E-S^P-V-K)

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

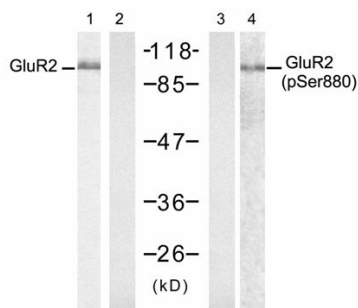
Specificity/Sensitivity: GluR2(phospho-Ser880) Antibody detects endogenous levels of GluR2 only when phosphorylated at serine 880.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 100 kd

WB :1:500~1:1000



Western blot analysis of extract from mouse brain tissue, using Glutamate receptor 2 (Precursor)(Ab-880) antibody (#21284, Lane 1 and 2) and Glutamate receptor 2 (Precursor)(phospho-Ser880) antibody (#11292, Lane 3 and 4).

Peptide - + - -

P-Peptide - - + -

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.

References:

Cull-Candy, S. et al. (2006) Curr. Opin. Neurobiol. 16, 288-297.

Hanley JG, et al. (2002) Neuron. 34(1): 53-67