GluR1 (Ser831) Antibody

Subcategory: Rabbit Polyclonal Antibody, Phosphospecific Antibody
Cat. No.: 252547
Unit: 0.1 ml

Description:
The glutamate receptor 1, a homo- or heteroteramer, is an 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 glutamate receptor then desensitizes rapidly and enters a transient inactive state, characterized by the presence of bound agonist. Phosphorylation of Ser831 has been linked to synaptic plasticity as well s learning and memory

Isotype: Rabbit Ig
Applications: E, WB
Species Reactivity: D, Ck, H, R
Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.
Alternate Names: Glutamate receptor 1; GluR-1; AMPA-selective glutamate receptor 1; GluR-A GluR-K1; Glutamate receptor ionotropic, AMPA 1;GluA1
Accession No.: P19490

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser831 of rat GluR1-subunit.
Application Notes: E: 1:1,000; WB: 1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.