

mGluR-7 (Ser862) Antibody

Subcategory: Phosphospecific Antibody, Rabbit Polyclonal Antibody

Cat. No.: 252558

Unit: 0.1 ml

Description:

The metabotropic glutamate receptor 7 (mGluR7) is a receptor for L-glutamate. L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. A member of the Group III receptor class, mGluR7 inhibits the cyclic AMP cascade. PKC phosphorylation of serine 862 on mGluR7 has been shown to be critical for stabilizing receptor surface expression and promoting binding to the synaptic PDZ-domain-containing protein PICK1.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: B, Ck, D, H, M, R, X

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: Metabotropic glutamate receptor 7; mGluR7; Grm7; Gprc1g; Mglur7

Accession No.: P35400

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Ser862 of rat metabotropic glutamate receptor 7.

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.