

mGluR5/1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253172

Unit: 0.1 ml

Description:

The metabotropic glutamate receptors (mGluRs) are key receptors in the modulation of excitatory synaptic transmission in the central nervous system. They are implicated in many forms of neural plasticity as well as learning and memory and drug abuse. Group I metabotropic glutamate receptors (consisting of mGluR1 and mGluR5) are G-protein-coupled neurotransmitter receptors that are localized in the perisynaptic region of the postsynaptic membrane. When activated, Group I mGluRs lead to stimulation of phospholipase and activation of Protein Kinase C. The mGluR5 receptor appears to be essential for late phase LTP in area CA1 of the hippocampus. This antibody detects both mGluR1 and mGluR5.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

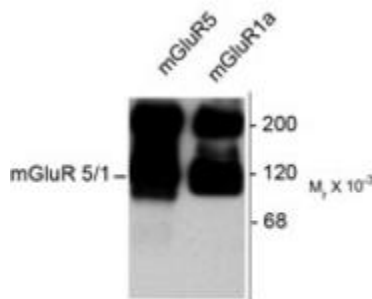
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of HEPES (pH7.5), 0.01% BSA, with 50% glycerol. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Metabotropic glutamate receptor 5; mGluR5; m5; Gprc1e; Mglur5; GRM1; Metabotropic glutamate receptor 1; mGluR1; GPRC1A

Accession No.: P31424, P23385

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of rat mGluR5/1.

Application Notes: E: 1:500-1:1,000; WB: 1:1,000; IHC : 1:500



The mGluR5/1 Antibody (Cat. No. 253172) is used in Western blot to detect mGluR5 and mGluR1 monomers (125 kDa) and dimers (250 kDa) in transfected HEK293 cell lysates.

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.