Anti-mGluR5

Cat. Number: YB-1247R

Quantity size: 0.1ml

Concentration: 1mg/ml   Buffer = 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Background:
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. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Multiple transcript variants encoding different isoforms have been found for this gene.

Also known as:
Glutamate receptor metabotropic 5; GPRC1E; GRM 5; GRM5; Metabotropic glutamate receptor 5; mGlu5; mGluR5; mGluR5a; mGluR5b; Metabotropic glutamate receptor 5 variant F; Metabotropic Glutamate Receptor 5b; Metabotropic glutamate receptor 5 variant G; Metabotropic glutamate receptor 5 variant H.

Specificity:
●Rabbit Polyclonal IgG, affinity purified by Protein A.

●Reacts with: Human, Mouse, Rat, Chicken, Dog, Sheep, .

●Immunogen: KLH conjugated synthetic peptide derived from human GRM5.

●Predicted Molecular Weight: 132kDa.

Storage: Shipped at 4℃, Store at -20℃ (Avoid repeated freeze/thaw cycles).
Application:
WB=1:100-500   ELISA=1:500-1000   IHC-P=1:100-500   IHC-F=1:100-500   IF=1:100-500
 Not yet tested in other applications.
Optimal working dilutions must be determined by the end user.
Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.