

bs-12011R-PE

[Conjugated Primary Antibody]



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Rabbit Anti-MGLUR1A Polyclonal Antibody, PE Conjugated

— D A T — A — S — H — E — E — T —

Host: Rabbit

Target Protein: MGLUR1A/Metabotropic Glutamate Receptor 1a

Clonality: Polyclonal

Isotype: IgG

Entrez Gene:

Swiss Prot:

Source: KLH conjugated synthetic peptide derived from human MGLUR1A/Metabotropic Glutamate Receptor 1a

Purification: Purified by Protein A.

Storage: Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at 4°C for 12 months.

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. Alternative splice variants of the GRM1 gene have been described but their full-length nature has not been determined.

Conjugation: PE

Excitation/ Emission: 480,565nm/578nm

Size: 100ul

Concentration: 1ug/ul

Applications: FCM(1:20-100)

Cross Reactive Species: Human
Mouse
Rat

Caution: For research use only. Not for human or animal therapeutic or diagnostic use.