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Anti-mGluR1 alpha Antibody

Catalog # AN2182

Product Information

Application	WB, IHC
Primary Accession	Q13255
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	132357

Additional Information

Gene ID	2911
Other Names	GRM1, Metabotropic glutamate receptor 1, GPRC1A
Dilution	WB~~1:1000 IHC~~1:100~500
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-mGluR1 alpha Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

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. The Glutamate Receptor, Metabotropic, 1, (mGluR1 alpha) activates phospholipase C and participates in the central action of glutamate in the central nervous system, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.