mGluR-2/3 Monoclonal Antibody

Catalog No	YP-mAb-16466
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GRM2
Protein Name	Metabotropic glutamate receptor 2
Immunogen	The antiserum was produced against synthesized peptide derived from human mGluR2/3. AA range:823-872
Specificity	mGluR-2/3 Monoclonal Antibody detects endogenous levels of mGluR-2/3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GRM2; GPRC1B; MGLUR2; Metabotropic glutamate receptor 2; mGluR2; GRM3; GPRC1C; MGLUR3; Metabotropic glutamate receptor 3; mGluR3
Observed Band	100kD
Cell Pathway	Cell membrane; Multi-pass membrane protein. Cell junction, synapse . Cell projection, dendrite .
Tissue Specificity	Detected in brain cortex (at protein level). Widely expressed in different regions of the adult brain as well as in fetal brain.
Function	function:Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.,similarity:Belongs to the G-protein coupled receptor 3 family.,subunit:Interacts with GRASP.,tissue specificity:Widely expressed in different regions of the adult brain as well as in fetal brain.,
Background	glutamate metabotropic receptor 2(GRM2) Homo sapiens 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. Two transcript variants encoding different isoforms have been found for this gene
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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