



GRM3 Polyclonal Antibody

Catalog No	YP-Ab-07641
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	GRM3 GPRC1C MGLUR3
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	GRM3 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GLUR3;GPRC1C;MGLUR3;mGlu3;711G23Rik;GRM3_HUMAN;GRM3;GRM3_MOUSE;GRM3_RAT;glutamate metabotropic receptor 3;glutamate receptor;metabotropic 3;GRM3 GPRC1C MGLUR3;Metabotropic glutamate receptor 3 (mGluR3)
Observed Band	96kD
Calculated Molecular Weight	96kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Detected in brain cortex, thalamus, subthalamic nucleus, substantia nigra, hypothalamus, hippocampus, corpus callosum, caudate nucleus and amygdala.
Function	function:Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity.,similarity:Belongs to the G-protein coupled receptor 3 family.,subunit:Interacts with GRASP.,
Background	glutamate metabotropic receptor 3(GRM3) 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. [provided by RefSeq, Jul 2008],

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.

Products Images