G-Biosciences Image not found or type unknown

Immunotag™ GRM3 Polyclonal Antibody

Antibody Specification

Catalog No.	ITN2787
Product Description	Immunotag™ GRM3 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GRM3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein, at AA range: 40-120
Specificity	GRM3 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	GRM3 GPRC1C MGLUR3
Accession No.	Q14832 Q9QYS2 P31422

Antibody Specification

Description	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],
Cell Pathway/ Category	Neuroactive ligand-receptor interaction,
Protein Expression	Brain,Whole brain,
Subcellular Localization	plasma membrane,integral component of plasma membrane,postsynaptic density,integral component of membrane,axon,presynaptic membrane,dendritic spine,postsynaptic membrane,
Protein 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.