



## mGluR2 rabbit pAb

## Cat#: orb768549 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	mGluR2 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GRM2. AA range:241-290
Specificity	mGluR2 Polyclonal Antibody detects endogenous levels of mGluR2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Metabotropic glutamate receptor 2
Gene Name	GRM2
Cellular localization	Cell membrane; Multi-pass membrane protein. Cell junction, synapse . Cell projection, dendrite .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.
Clonality	Polyclonal



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Concentration	1 mg/ml
Observed band	
Human Gene ID	2912
Human Swiss-Prot Number	Q14416
Alternative Names	GRM2; GPRC1B; MGLUR2; Metabotropic glutamate receptor 2; mGluR2
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



Immunofluorescence analysis of LOVO cells, using GRM2 Antibody. The picture on the right is blocked with the synthesized peptide.



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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GRM2 Antibody. The picture on the right is blocked with the synthesized peptide.