mGluR1 rabbit pAb

Cat#: orb768547 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	mGluR1 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human GRM1. AA range:251-300
Specificity	mGluR1 Polyclonal Antibody detects endogenous levels of mGluR1 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 1
Gene Name	GRM1
Cellular localization	Cell membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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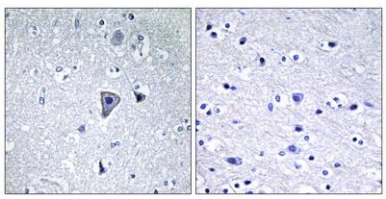
Concentration	1 mg/ml
Observed band	
Human Gene ID	2911
Human Swiss-Prot Number	Q13255
Alternative Names	GRM1; GPRC1A; MGLUR1; Metabotropic glutamate receptor 1; mGluR1
Background	glutamate metabotropic receptor 1(GRM1) Homo sapiens This gene encodes a metabotropic glutamate receptor that functions by activating phospholipase C. 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 canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013],



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GRM1 Antibody. The picture on the right is blocked with the synthesized peptide.

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