

mGluR-6 rabbit pAb**Cat#: orb768553 (Manual)**

For research use only. Not intended for diagnostic use.

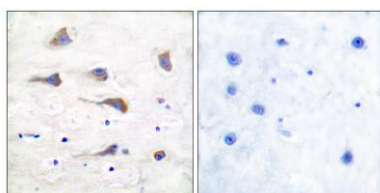
Product Name	mGluR-6 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human mGluR6. AA range:828-877
Specificity	mGluR-6 Polyclonal Antibody detects endogenous levels of mGluR-6 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 6
Gene Name	GRM6
Cellular localization	Cell membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Golgi apparatus membrane ; Multi-pass membrane protein . Cell projection, dendrite . Subject to trafficking from the endoplasmic reticulum to the
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	100kD
Human Gene ID	2916
Human Swiss-Prot Number	O15303
Alternative Names	GRM6; GPRC1F; MGLUR6; Metabotropic glutamate receptor 6; mGluR6

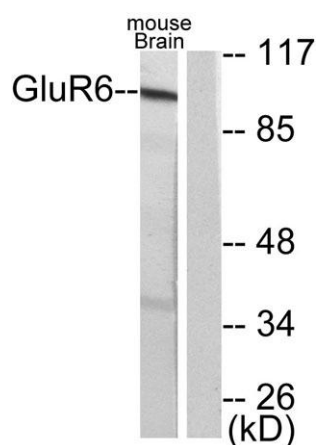
Background

glutamate metabotropic receptor 6 (GRM6) 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, Feb 2012],



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using mGluR6 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse brain, using mGluR6 Antibody. The lane on the right is blocked with the synthesized peptide.