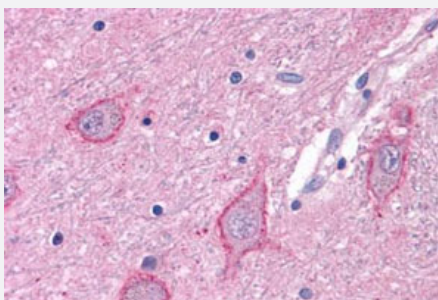


GRM3 polyclonal antibody

Catalog # PAB26399

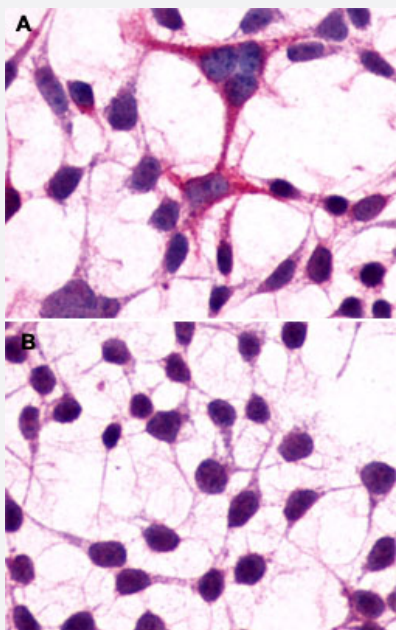
Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human brain, neurons and glia with GRM3 polyclonal antibody (Cat # PAB26399). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunocytochemistry

Immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected (A) or untransfected (B) with GRM3. Using GRM3 polyclonal antibody (Cat # PAB26399).

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of GRM3.

Immunogen

A synthetic peptide corresponding to 17 amino acids at N-terminal extracellular domain of human GRM3.

Host	Rabbit
Reactivity	Human, Monkey
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (9 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human brain, neurons and glia with GRM3 polyclonal antibody (Cat # PAB26399). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

- Immunocytochemistry

Immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected (A) or untransfected (B) with GRM3. Using GRM3 polyclonal antibody (Cat # PAB26399).

Gene Info — GRM3

Entrez GeneID	2913
Protein Accession#	Q14832
Gene Name	GRM3
Gene Alias	GLUR3, GPRC1C, MGLUR3, mGlu3
Gene Description	glutamate receptor, metabotropic 3

Omim ID [601115](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations glutamate metabotropic receptor 3

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Anoxia](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Decision Making](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Memory](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
- [Neuropsychological Tests](#)

- [Obstetric Labor Complications](#)
- [Problem Solving](#)
- [Psychiatric Status Rating Scales](#)
- [Psychoses](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Set \(Psychology\)](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)