

GRM8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP13777b

Specification

GRM8 Antibody (C-term) - Product Information

Application WB,E
Primary Accession 000222

Other Accession <u>P70579</u>, <u>P47743</u>, <u>NP_001120795.1</u>,

Reactivity
Human
Predicted
Host
Clonality
Polyclonal
Isotype

NP_000836.2
Human
Rouse, Rat
Rabbit
Rabbit
Rabbit
Rabbit IgG

GRM8 Antibody (C-term) - Additional Information

Gene ID 2918

Antigen Region

Other Names

Metabotropic glutamate receptor 8, mGluR8, GRM8, GPRC1H, MGLUR8

Target/Specificity

This GRM8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 855-884 amino acids from the C-terminal region of human GRM8.

855-884

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

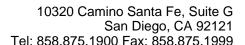
Precautions

GRM8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GRM8 Antibody (C-term) - Protein Information

Name GRM8

Synonyms GPRC1H, MGLUR8





Function G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.

Cellular Location

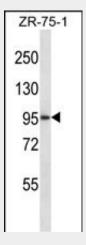
Cell membrane; Multi-pass membrane protein.

GRM8 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

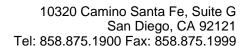
GRM8 Antibody (C-term) - Images



GRM8 Antibody (C-term) (Cat. #AP13777b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the GRM8 antibody detected the GRM8 protein (arrow).

GRM8 Antibody (C-term) - Background

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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq].

GRM8 Antibody (C-term) - References

Saus, E., et al. J Psychiatr Res 44(14):971-978(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010): Fonseca, F., et al. Mol Diagn Ther 14(3):171-178(2010) Bozaoglu, K., et al. J. Clin. Endocrinol. Metab. 95(5):2476-2485(2010) Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)