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GRM8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13777b

Specification

GRM8 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O00222
Other Accession	P70579, P47743, NP_001120795.1, NP_000836.2
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**855-884**

GRM8 Antibody (C-term) - Additional Information

Gene ID 2918

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.

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

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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.

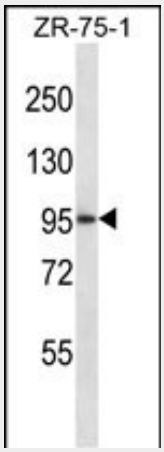
Cellular Location
Cell membrane; Multi-pass membrane protein.

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
- Immunoprecipitation
- 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)
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