

Metabotropic Glutamate Receptor 8 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1641a

Specification

Metabotropic Glutamate Receptor 8 Antibody (C-term) - Product Information

| | |
|-------------------|---|
| Application | WB,E |
| Primary Accession | O00222 |
| Other Accession | P70579 , P47743 |
| Reactivity | Human, Mouse |
| Predicted | Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit Ig |
| Antigen Region | 852-882 |

Metabotropic Glutamate Receptor 8 Antibody (C-term) - Additional Information

Gene ID 2918

Other Names

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

Target/Specificity

This Metabotropic Glutamate Receptor 8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 852-882 amino acids from the C-terminal region of human Metabotropic Glutamate Receptor 8.

Dilution

WB~~1:1000

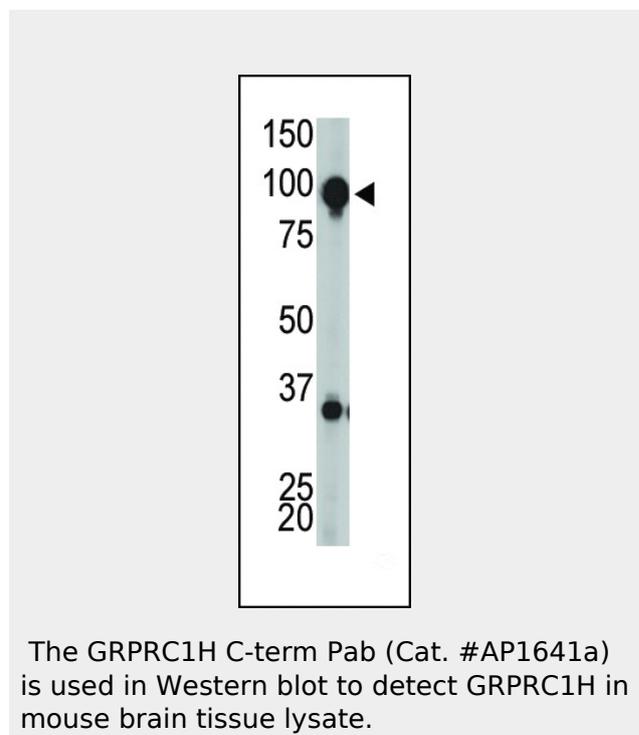
Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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



Metabotropic Glutamate Receptor 8 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.

Metabotropic Glutamate Receptor 8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Metabotropic Glutamate Receptor 8 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.

Metabotropic Glutamate Receptor 8 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 Cytometry](#)
- [Cell Culture](#)

Metabotropic Glutamate Receptor 8 Antibody (C-term) - References

Malherbe, P., et al., Brain Res. Mol. Brain Res. 67(2):201-210 (1999).
Scherer, S.W., et al., Genomics 44(2):232-236 (1997).
Wu, S., et al., Brain Res. Mol. Brain Res. 53 (1-2), 88-97 (1998).