

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 IgG
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) 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

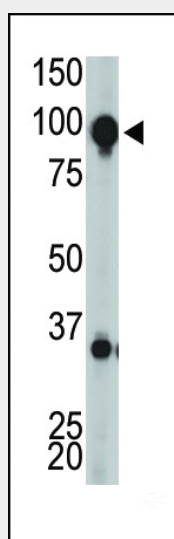
Cell membrane; Multi-pass membrane protein.

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) - Images



The GRPRC1H C-term Pab (Cat. #AP1641a) is used in Western blot to detect GRPRC1H in mouse brain tissue lysate.

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) - 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).