

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

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

Application	WB,E
Primary Accession	<a href="#">O00222</a>
Other Accession	<a href="#">P70579</a> , <a href="#">P47743</a>
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**

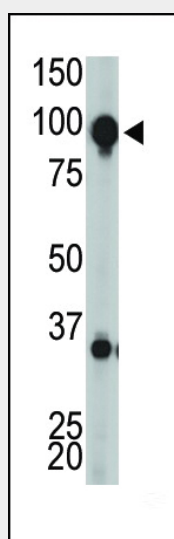
Cell membrane; Multi-pass membrane protein.

**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).