

**GRM5 / MGLUR5 Antibody (C-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10198****Specification**

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**GRM5 / MGLUR5 Antibody (C-Terminus) - Product Information**

|                   |                                          |
|-------------------|------------------------------------------|
| Application       | WB, IHC-P                                |
| Primary Accession | <a href="#">P41594</a>                   |
| Reactivity        | Human, Mouse, Monkey, Horse, Bovine, Dog |
| Host              | Rabbit                                   |
| Clonality         | Polyclonal                               |
| Calculated MW     | 132kDa KDa                               |
| Dilution          | WB~~1:1000<br>IHC-P~~N/A                 |

**GRM5 / MGLUR5 Antibody (C-Terminus) - Additional Information****Gene ID** 2915**Other Names**

Metabotropic glutamate receptor 5, mGluR5, GRM5, GPRC1E, MGLUR5

**Target/Specificity**

Human GRM5 / MGLUR5. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PLEC (45%).

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

GRM5 / MGLUR5 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**GRM5 / MGLUR5 Antibody (C-Terminus) - Protein Information****Name** GRM5**Synonyms** GPRC1E, MGLUR5**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. Signaling activates a phosphatidylinositol- calcium second messenger system and generates a calcium-activated chloride current. Plays an important role in the regulation of synaptic plasticity and the modulation of the neural network activity.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

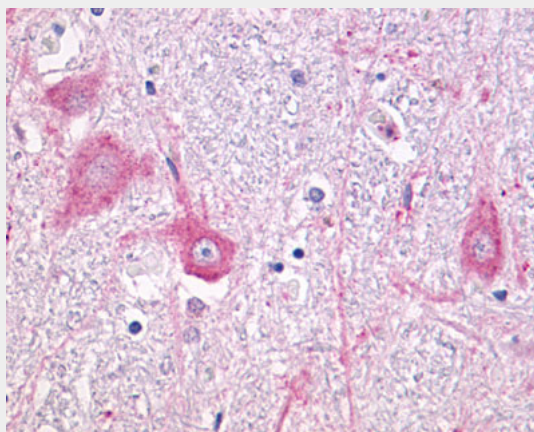
**Volume**  
50 µl

### **GRM5 / MGLUR5 Antibody (C-Terminus) - 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](#)

### **GRM5 / MGLUR5 Antibody (C-Terminus) - Images**



Anti-GRM5 / MGLUR5 antibody ALS10198 IHC of human brain, neurons and glia.

### **GRM5 / MGLUR5 Antibody (C-Terminus) - Background**

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. Signaling activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. Plays an important role in the regulation of synaptic plasticity and the modulation of the neural network activity.

### **GRM5 / MGLUR5 Antibody (C-Terminus) - References**

Minakami R., et al. Biochem. Biophys. Res. Commun. 199:1136-1143(1994).  
Katsuki F., et al. Submitted (JUL-1996) to the EMBL/GenBank/DDBJ databases.  
Levinthal C., et al. Abstr. - Soc. Neurosci. 25:976-976(1999).  
Taylor T.D., et al. Nature 440:497-500(2006).  
Minakami R., et al. Biochem. Biophys. Res. Commun. 194:622-627(1993).