10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GRM1 / MGLUR1 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS10195

Specification

GRM1 / MGLUR1 Antibody (C-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q13255
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**132kDa KDa**

GRM1 / MGLUR1 Antibody (C-Terminus) - Additional Information

Gene ID 2911

Other Names
Metabotropic glutamate receptor 1, mGluR1, GRM1, GPRC1A, MGLUR1

Target/Specificity
Human GRM1 / MGLUR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
GRM1 / MGLUR1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GRM1 / MGLUR1 Antibody (C-Terminus) - Protein Information

Name GRM1

Synonyms GPRC1A, MGLUR1

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. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum (PubMed:24603153, PubMed:28886343, PubMed:7476890). May function in the light response in the retina (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Detected in brain..

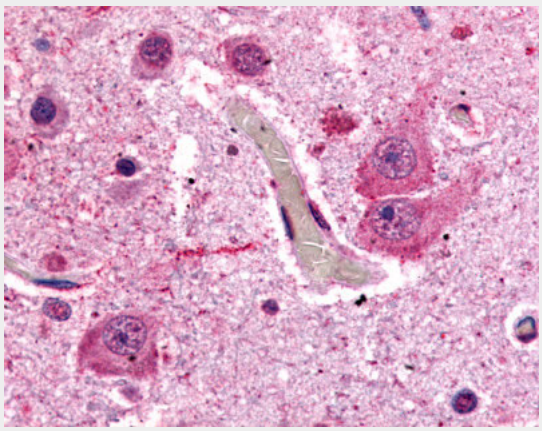
Volume
50 µl

GRM1 / MGLUR1 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 Cytomety
- Cell Culture

GRM1 / MGLUR1 Antibody (C-Terminus) - Images



Anti-GRM1 / MGLUR1 antibody ALS10195 IHC of human brain, neurons and glia.

GRM1 / MGLUR1 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. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum.

GRM1 / MGLUR1 Antibody (C-Terminus) - References

Desai M.A.,et al.Mol. Pharmacol. 48:648-657(1995).
Stephan D.,et al.Neuropharmacology 35:1649-1660(1996).
Mungall A.J.,et al.Nature 425:805-811(2003).
Guergueltcheva V.,et al.Am. J. Hum. Genet. 91:553-564(2012).
Wu H.,et al.Science 344:58-64(2014).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999