

GRM2 / MGLUR2 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS15381**Specification**

GRM2 / MGLUR2 Antibody (Internal) - Product Information

Application	WB, IHC
Primary Accession	Q14416
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	96kDa KDa

GRM2 / MGLUR2 Antibody (Internal) - Additional Information**Gene ID** 2912**Other Names**

Metabotropic glutamate receptor 2, mGluR2, GRM2, GPRC1B, MGLUR2

Target/Specificity

Human GRM2 / MGLUR2. This antibody is expected to recognize both isoforms (NP_000830.2; NP_001123535.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

GRM2 / MGLUR2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

GRM2 / MGLUR2 Antibody (Internal) - Protein Information**Name** GRM2 ([HGNC:4594](#))**Synonyms** GPRC1B, MGLUR2**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. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.

Cellular Location

Cell membrane; Multi-pass membrane protein. Synapse. Cell projection, dendrite

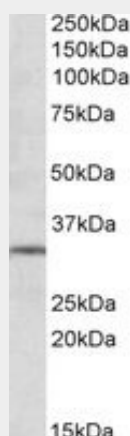
Tissue Location

Detected in brain cortex (at protein level). Widely expressed in different regions of the adult brain as well as in fetal brain.

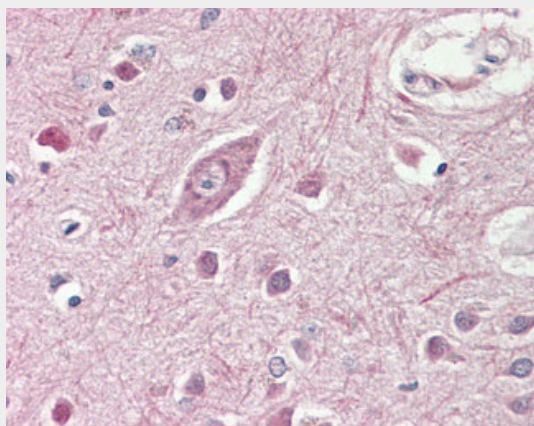
GRM2 / MGLUR2 Antibody (Internal) - Protocols

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](#)

GRM2 / MGLUR2 Antibody (Internal) - Images

GRM2 antibody (1 ug/ml) staining of Human Hippocampus lysate (35 ug protein/ml in RIPA buffer).



Anti-MGLUR2 / GLUR2 antibody IHC of human brain, cortex.

GRM2 / MGLUR2 Antibody (Internal) - 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, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.

GRM2 / MGLUR2 Antibody (Internal) - References

Flor P.J.,et al.Eur. J. Neurosci. 7:622-629(1995).
Yasuyuki F.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
Bonner T.I.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Kaighin V.A.,et al.Submitted (DEC-2007) to the EMBL/GenBank/DDBJ databases.
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