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GRM2 / MGLUR2 Antibody (N-Terminus)

Rabbit Polyclonal Antibody

Catalog # ALS10200

Specification

GRM2 / MGLUR2 Antibody (N-Terminus) - Product Information

Application	**IHC**
Primary Accession	Q14416
Reactivity	**Human, Mouse, Rabbit, Hamster, Pig, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**96kDa KDa**

GRM2 / MGLUR2 Antibody (N-Terminus) - Additional Information

Gene ID 2912

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

Target/Specificity
Human GRM2 / MGLUR2. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GRM3 (42%).

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

Precautions
GRM2 / MGLUR2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GRM2 / MGLUR2 Antibody (N-Terminus) - 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.

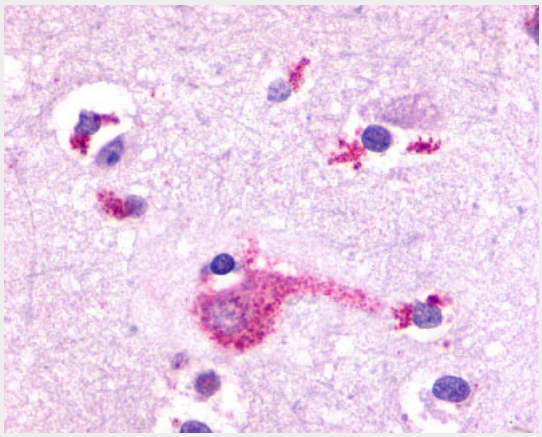
Volume
50 µl

GRM2 / MGLUR2 Antibody (N-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

GRM2 / MGLUR2 Antibody (N-Terminus) - Images



Anti-GRM2 / MGLUR2 antibody ALS10200 IHC of human brain, neurons and glia.

GRM2 / MGLUR2 Antibody (N-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, 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 (N-Terminus) - References

Flor P.J.,et al.Eur. J. Neurosci. 7:622-629(1995).
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