

GRM6 / MGLUR6 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10777**Specification**

GRM6 / MGLUR6 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P
Primary Accession	O15303
Reactivity	Human, Mouse, Rabbit, Hamster, Monkey, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

GRM6 / MGLUR6 Antibody (N-Terminus) - Additional Information**Gene ID** 2916**Other Names**

Metabotropic glutamate receptor 6, mGluR6, GRM6, GPRC1F, MGLUR6

Target/Specificity

Human GRM6 / MGLUR6. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GRM7 (73%), GRM4 (67%).

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GRM6 / MGLUR6 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GRM6 / MGLUR6 Antibody (N-Terminus) - Protein Information**Name** GRM6**Synonyms** GPRC1F, MGLUR6**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 (By similarity). Signaling stimulates TRPM1 channel activity and Ca(2+) uptake. Required for normal vision.

Cellular Location

Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cell projection, dendrite Note=Subject to trafficking from the endoplasmic reticulum to the Golgi apparatus and then to the cell membrane

Tissue Location

Detected in melanocytes.

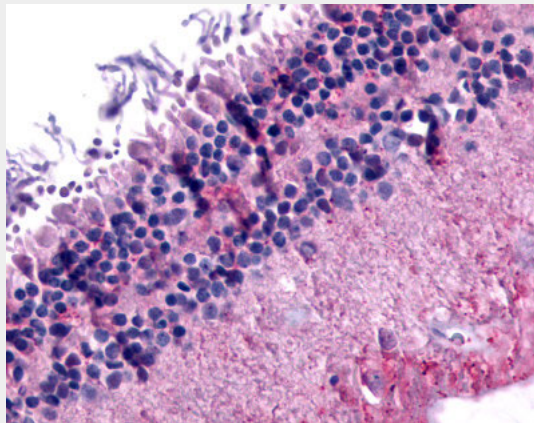
Volume

50 µl

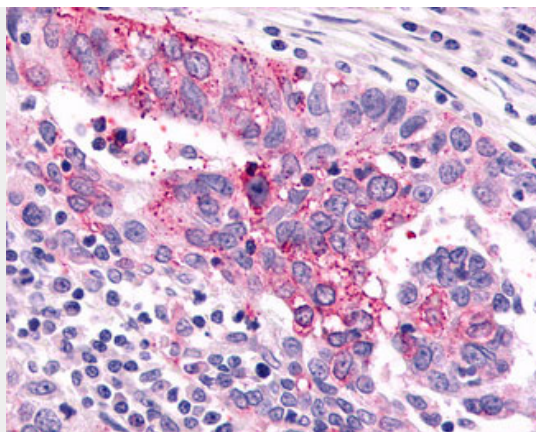
GRM6 / MGLUR6 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GRM6 / MGLUR6 Antibody (N-Terminus) - Images

Anti-GRM6 / MGLUR6 antibody ALS10777 IHC of human eye, retina.



Anti-GRM6 / MGLUR6 antibody IHC of human Ovary, Carcinoma.

GRM6 / MGLUR6 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 (By similarity). Signaling stimulates TRPM1 channel activity and Ca^{2+} uptake. Required for normal vision.

GRM6 / MGLUR6 Antibody (N-Terminus) - References

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Schmutz J.,et al.Nature 431:268-274(2004).
Devi S.,et al.Pigment Cell Melanoma Res. 26:348-356(2013).
Dryja T.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 102:4884-4889(2005).
Sjoeblom T.,et al.Science 314:268-274(2006).