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GRM6 / MGLUR6 Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS10777

Specification

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

Application	**IHC**
Primary Accession	O15303
Reactivity	**Human, Mouse, Rabbit, Hamster, Monkey, Pig, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**95kDa KDa**

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.

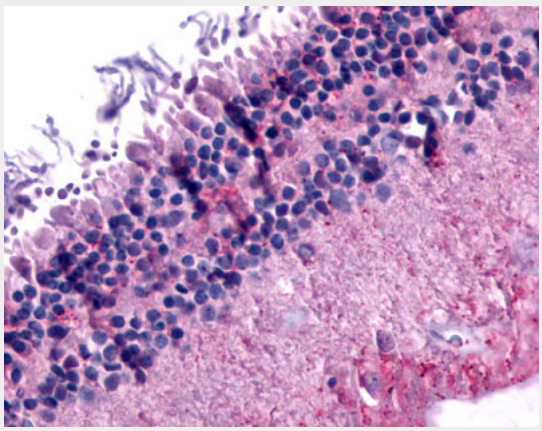
Volume
50 µl

GRM6 / MGLUR6 Antibody (N-Terminus) - Protocols

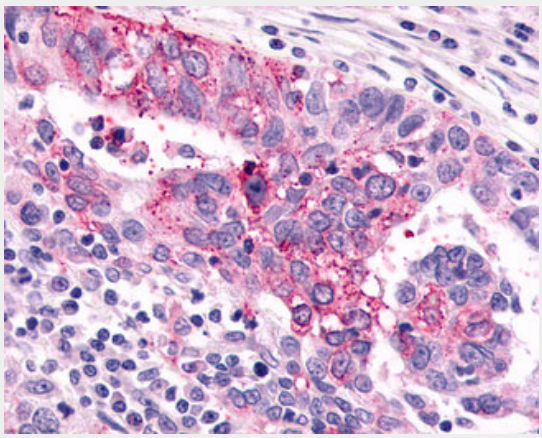
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.

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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

Hashimoto T.,et al.Eur. J. Neurosci. 9:1226-1235(1997).
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).