

mGluR6 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50050**Specification**

mGluR6 Antibody - Product Information

Application	WB, IHC
Primary Accession	O15303
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95 KDa
Antigen Region	850-877

mGluR6 Antibody - Additional Information**Gene ID** 2916**Other Names**

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

Dilution

WB~~ 1:1000

IHC~~1:50-1:100

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

mGluR6 Antibody - 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 Ca²⁺ 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

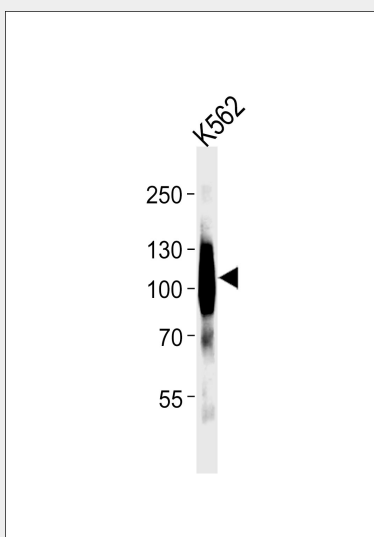
Detected in melanocytes.

mGluR6 Antibody - Protocols

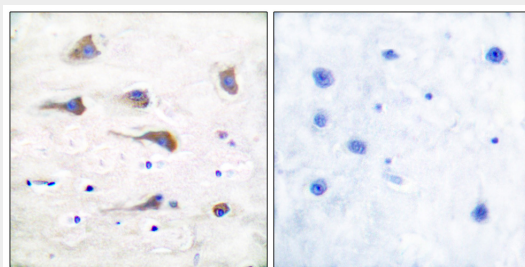
Provided below are standard protocols that you may find useful for product applications.

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

mGluR6 Antibody - Images



Western blot analysis of lysates from K562 cell line, using mGluR6 Antibody (C0210). C0210 was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg.



Immunohistochemical analysis of paraffin-embedded human brain tissue using GluR6 antibody.

mGluR6 Antibody - Background

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mGluR6 Antibody - 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).
Sjoeblohm T.,et al.Science 314:268-274(2006).