

GPR179 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51954**Specification**

GPR179 Antibody - Product Information

Application	WB, E
Primary Accession	Q6PRD1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	257 KDa

GPR179 Antibody - Additional Information**Gene ID** 440435**Other Names**

Probable G-protein coupled receptor 179, Probable G-protein coupled receptor 158-like 1, GPR158-like, GPR179, GPR158L, GPR158L1

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GPR179 Antibody - Protein Information**Name** GPR179 {ECO:0000303|PubMed:24084093, ECO:0000312|HGNC:HGNC:31371}**Function**

Orphan receptor involved in vision (PubMed:22325362, PubMed:24084093). Required for signal transduction through retinal depolarizing bipolar cells (PubMed:22325362). Acts as an atypical G- protein coupled receptor that recruits and regulates the R7 group RGS- GNB5 complexes instead of activating G proteins: promotes the GTPase activator activity of R7 RGS proteins, increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (By similarity). Associates with components of metabotropic signaling cascade in retina ON-bipolar neurons, such as TRPM1 and GRM6: may control the ability of the GRM6 cascade to gate TRPM1 (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:E9PY61}; Multi-pass membrane protein. Postsynaptic cell membrane {ECO:0000250|UniProtKB:E9PY61}; Multi-pass membrane protein. Cell projection, dendrite Note=Specifically localizes to the tips of retinal ON-bipolar dendrites.

Tissue Location

Expressed in the retina.

GPR179 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](#)

GPR179 Antibody - Images**GPR179 Antibody - Background**

Orphan receptor, involved in vision. Required for signal transduction through retinal depolarizing bipolar cells.

GPR179 Antibody - References

Bonner T.I., et al. Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
Zody M.C., et al. Nature 440:1045-1049(2006).
Audo I., et al. Am. J. Hum. Genet. 90:321-330(2012).
Peachey N.S., et al. Am. J. Hum. Genet. 90:331-339(2012).