

GPR179 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP56204

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6PRD1
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	257363

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.