

MASS1/GPR98 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57215**Specification****MASS1/GPR98 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	Q8WVG9
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	693069

MASS1/GPR98 Polyclonal Antibody - Additional Information**Gene ID** 84059**Other Names**

Adhesion G-protein coupled receptor V1, ADGRV1, 3.4.-.-, ADGRV1 ([HGNC:17416](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17416))

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

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.

MASS1/GPR98 Polyclonal Antibody - Protein Information**Name** ADGRV1 ([HGNC:17416](#))**Function**

G-protein coupled receptor which has an essential role in the development of hearing and vision. Couples to G-alpha(i)-proteins, GNAI1/2/3, G-alpha(q)-proteins, GNAQ, as well as G-alpha(s)-proteins, GNAS, inhibiting adenylate cyclase (AC) activity and cAMP production. Required for the hair bundle ankle formation, which connects growing stereocilia in developing cochlear hair cells of the inner ear. In response to extracellular calcium, activates kinases PKA and PKC to regulate myelination by inhibiting the ubiquitination of MAG, thus enhancing the stability of this protein in myelin-forming cells of the auditory pathway. In retina photoreceptors, the USH2 complex is required for the maintenance of periciliary membrane complex that seems to play a role in regulating intracellular protein transport. Involved in the regulation of bone metabolism.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8VHN7}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q8VHN7}. Cell projection, stereocilium membrane {ECO:0000250|UniProtKB:Q8VHN7} Photoreceptor inner segment {ECO:0000250|UniProtKB:Q8VHN7} Note=Localizes at the ankle region of the stereocilia. In photoreceptors, localizes at a plasma membrane microdomain in the apical inner segment that surrounds the connecting cilia called periciliary membrane complex. {ECO:0000250|UniProtKB:Q8VHN7}

Tissue Location

Expressed at low levels in adult tissues.

MASS1/GPR98 Polyclonal 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](#)

MASS1/GPR98 Polyclonal Antibody - Images