



# GPR98 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-07410                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>                | IHC;IF                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                   | GPR98 KIAA0686 KIAA1943 MASS1 VLGR1                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Immunogen</b>                   | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>                 | GPR98 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                               |
| <b>Dilution</b>                    | IHC-p 1:50-300. IF 1:50-200                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>                    | ADGRV1;GPR98;ADGRV1 subunit alpha;ADGRV1 subunit beta;Adhesion G-protein coupled receptor V1;GPR98 KIAA0686 KIAA1943 MASS1 VLGR1;G-protein coupled receptor 98 (Monogenic audiogenic seizure susceptibility protein 1 homolog) (Usher syndrome type-2C protein) (Very large G-protein coupled receptor 1)                                                                                           |
| <b>Observed Band</b>               | 693kD                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Calculated Molecular Weight</b> | 693kD                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cell Pathway</b>                | Cell membrane ; Multi-pass membrane protein . Cell projection, stereocilium membrane . Photoreceptor inner segment . 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. .                                                         |
| <b>Tissue Specificity</b>          | Expressed at low levels in adult tissues.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>                    | developmental stage:Isoform 1 is 4 times more abundant than isoform 2 in most tissues tested, despite wide variations in absolute levels of expression. Isoform 3 is expressed at about 1.5 times isoform 1 levels in most tissues examined. In fetal testis, isoform 3 is expressed almost exclusively.,disease:Defects in GPR98 are the cause of Usher syndrome type 2C (USH2C) [MIM:605472]. USH |



is a genetically heterogeneous condition characterized by the association of retinitis pigmentosa with sensorineural deafness. Age at onset and differences in auditory and vestibular function distinguish Usher syndrome type 1 (USH1), Usher syndrome type 2 (USH2) and Usher syndrome type 3 (USH3). USH2 is characterized by congenital mild hearing impairment with normal vestibular responses. Defects in GPR98 may be a cause of familial febrile convulsions type 4 (FEB4) [MIM:604352]; also known as familia

#### Background

This gene encodes a member of the G-protein coupled receptor superfamily. The encoded protein contains a 7-transmembrane receptor domain, binds calcium and is expressed in the central nervous system. Mutations in this gene are associated with Usher syndrome 2 and familial febrile seizures. Several alternatively spliced transcripts have been described. [provided by RefSeq, Jul 2008],

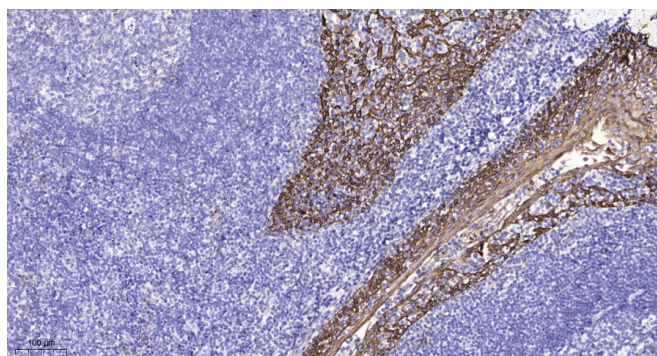
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA, pH9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200(room temperature, 45min).