

## GPR98 Rabbit pAb

CatalogNo: YN2556

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- IHC, IF

#### MW

- 693kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

IHC 1:50-300

IF 1:50-200

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from part region of human protein

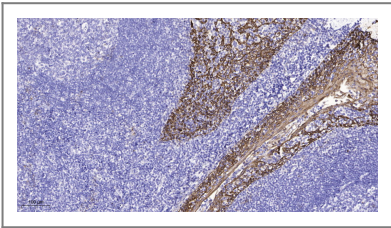
**Specificity** GPR98 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** GPR98 KIAA0686 KIAA1943 MASS1 VLGR1

<b>Protein Name</b>	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>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">84059;</a>	<a href="#">Q8WXG9;</a>
	Mouse		<a href="#">Q8VHN7;</a>
<b>Cellular Localization</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.,Disease:Defects in GPR98 may be a cause of familial febrile convulsions type 4 (FEB4) [MIM:604352]; also known as familial febrile seizures 4. Febrile convulsions are seizures associated with febrile episodes in childhood without any evidence of intracranial infection or defined pathologic or traumatic cause. It is a common condition, affecting 2-5% of children aged 3 months to 5 years. The majority are simple febrile seizures (generally defined as generalized onset, single seizures with a duration of less than 30 minutes). Complex febrile seizures are characterized by focal onset, duration greater than 30 minutes, and/or more than one seizure in a 24 hour period. The likelihood of developing epilepsy following simple febrile seizures is low. Complex febrile seizures are associated with a moderately increased incidence of epilepsy.,Function:Receptor that may have an important role in the development of the central nervous system.,miscellaneous:By far is the largest known cell surface protein.,similarity:Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily.,similarity:Contains 1 GPS domain.,similarity:Contains 35 Calx-beta domains.,similarity:Contains 6 EAR repeats.,subunit:Interacts with WHRN.,tissue specificity:Expressed at low levels in adult tissues.,		

| Validation Data



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).

## | Contact information

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**GPR98 Rabbit pAb**

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