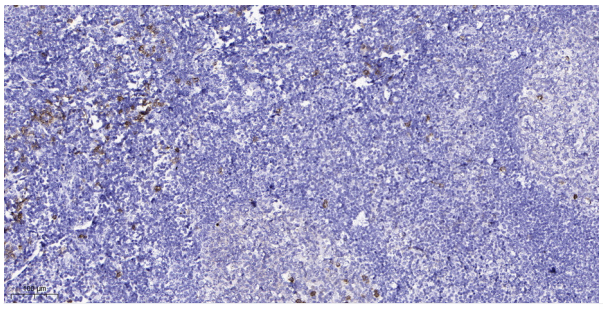
OTOG rabbit pAb

Catalog No	YP-Ab-11316
Isotype	IgG
Reactivity	Human; Mouse
Applications	IHC;IF
Gene Name	OTOG OTGN
Protein Name	OTOG
Immunogen	Synthesized peptide derived from human OTOG AA range: 2706-2756
Specificity	This antibody detects endogenous levels of OTOG at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1：50-200. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Apical cell membrane ; Peripheral membrane protein ; Extracellular side . Secreted, extracellular space . Found in fiber-like structures during the maturation process of the tectorial membrane. .
Tissue Specificity	
Function	function:Glycoprotein specific to acellular membranes of the inner ear. May be required for the anchoring of the otoconial membranes and cupulae to the underlying neuroepithelia in the vestibule. May be involved in the organization and/or stabilization of the fibrillar network that compose the tectorial membrane in the cochlea. May play a role in mechanotransduction processes.,PTM:N-glycosylated (By similarity). Not O-glycosylated.,similarity:Belongs to the otogelin family.,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 TIL (trypsin inhibitory-like) domain.,similarity:Contains 4 VWFD domains.,subcellular location:Found in fiber-like structures during the maturation process of the tectorial membrane.,
Background	The protein encoded by this gene is a component of the acellular membranes of the inner ear. Disruption of the orthologous mouse gene shows that it plays a role in auditory and vestibular functions. It is involved in fibrillar network organization,

	the anchoring of otoconial membranes and cupulae to the neuroepithelia, and likely in sound stimulation resistance. Mutations in this gene cause autosomal recessive nonsyndromic deafness, type 18B. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2014],
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).