

OTOL1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16094A**Specification**

OTOL1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	A6NHNO
Other Accession	NP_001073909.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49422
Antigen Region	11-39

OTOL1 Antibody (N-term) - Additional Information**Gene ID** 131149**Other Names**

Otolin-1, OTOL1

Target/Specificity

This OTOL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-39 amino acids from the N-terminal region of human OTOL1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

OTOL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OTOL1 Antibody (N-term) - Protein Information**Name** OTOL1 ([HGNC:34071](#))

Function Collagen-like protein specifically expressed in the inner ear, which provides an organic scaffold for otoconia, a calcium carbonate structure in the saccule and utricle of the ear. Acts as a

scaffold for biomineralization: sequesters calcium and forms interconnecting fibrils between otoconia that are incorporated into the calcium crystal structure. Together with OC90, modulates calcite crystal morphology and growth kinetics.

Cellular Location

Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:Q4ZJM7}.

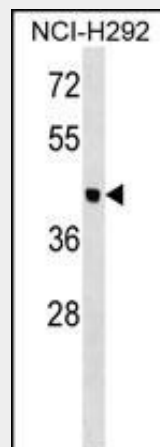
Note=Localized in both the surrounding otoconial matrix and otoconia {ECO:0000250|UniProtKB:Q4ZJM7}

OTOL1 Antibody (N-term) - 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](#)

OTOL1 Antibody (N-term) - Images



OTOL1 Antibody (N-term) (Cat. #AP16094a) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the OTOL1 antibody detected the OTOL1 protein (arrow).

OTOL1 Antibody (N-term) - References

Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008) :
Ghai, R., et al. Immunobiology 212 (4-5), 253-266 (2007) :
Murayama, E., et al. Mech. Dev. 122(6):791-803(2005)