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OTOL1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16094a

Specification

OTOL1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	A6NHN0
Other Accession	NP_001073909.1

OTOL1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 131149

Other Names
Otolin-1, OTOL1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

OTOL1 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

OTOL1 Antibody (N-term) Blocking Peptide - Images

OTOL1 Antibody (N-term) Blocking Peptide - 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)