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OTOL1 Rabbit pAb

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Catalog # AP56738

Product Information

Application	WB
Primary Accession	A6NHN0
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49422
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OTOL1
Epitope Specificity	361-460/477
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	131149
Other Names	Otolin-1, OTOL1 (HGNC:34071)
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

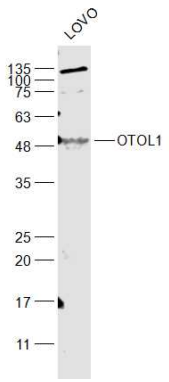
Name	OTOL1 (HGNC:34071)
Function	Collagen-like protein specifically expressed in the inner ear, which provides an organic scaffold for otoconia, a calcium carbonate structure in the saccule and utricle of the ear. Acts as a scaffold for biomineralization: sequesters calcium and forms interconnecting 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}

Background

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Images



Sample:
LOVO(Human) Cell Lysate at 30 ug
Primary: Anti-OTOL1 (AP56738) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 49 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.