

OTOL1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56738**Specification**

OTOL1 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	A6NHNO
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49422

OTOL1 Polyclonal Antibody - Additional Information**Gene ID** 131149**Other Names**

Otolin-1, OTOL1 (HGNC:34071)

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

OTOL1 Polyclonal Antibody - 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

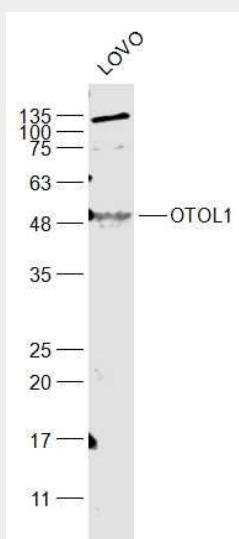
Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:Q4ZJM7}.
Note=Localized in both the surrounding otoconial matrix and otoconia {ECO:0000250|UniProtKB:Q4ZJM7}

OTOL1 Polyclonal Antibody - 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 Polyclonal Antibody - Images



Sample:

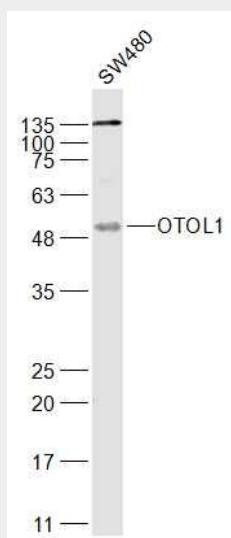
LOVO(Human) Cell Lysate at 30 ug

Primary: Anti-OTOL1 (bs-17533R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kD

Observed band size: 49 kD



Sample:

SW480(Human) Cell Lysate at 30 ug

Primary: Anti-OTOL1 (bs-17533R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kD

Observed band size: 49 kD