

## Anti-TMC1 Antibody

Catalog Number: A07763-1

### About TMC1

Transmembrane channel-like protein 1 (TMC1), is an integral membrane protein with six transmembrane domains and cytoplasmically oriented N- and C- termini (PMID: 20672865). Human TMC1 and mouse Tmc1 mRNA expression were detected in human fetal cochlea and inner-ear tissue of postnatal mouse, respectively. TMC1 is required for cochlear hair-cell function (PMID: 11850618). It is a component of hair cell transduction channels and contributes to permeation properties (PMID: 23871232). Mutations in TMC1 gene can cause progressive postlingual hearing loss and profound prelingual deafness (PMID: 11850618). The antibody is specific to TMC1.

### Overview

Product Name	Anti-TMC1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TMC1 Antibody catalog # A07763-1. Tested in WB, IHC, IF, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q8TDI8

### Technical Details

Immunogen	Peptide
Form	Liquid
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-400 Immunofluorescence, 1:50-400

ELISA, 1:100-1000

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Anti-TMC1 Antibody

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