

**TMC2 polyclonal antibody**

Catalog: BS33695

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

Transmembrane channel-like protein 2: Pore-forming subunit of the mechanotransducer (MET) non-selective cation channel complex located at the tips of stereocilia of cochlear hair cells and that mediates sensory transduction in the auditory system. The MET complex is composed of two dimeric pore-forming ion-conducting transmembrane TMC (TMC1 or TMC2) subunits, and aided by several auxiliary proteins including LHFPL5, TMIE, CIB2/3 and TOMT, and the tip-link PCDH15. MET channel is activated by tension in the tip-link extending from the side wall of one stereocilium to the tip of the adjacent shorter stereocilium, where the channel is located (By similarity). TMC2 MET channel is highly permeable to calcium and likely transports monovalent cations. Also involved in vestibular hair cell transduction current of the mammalian inner ear (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~103 kDa

Swiss-Prot:

Q8TDI7

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of TMC2 protein

DATA:

Western blot analysis of Serpin A7 expression in mouse heart (A), rat liver (B) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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