

TMEM63B Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5284b**Specification**

TMEM63B Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q5T3F8](#)**TMEM63B Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 55362**Other Names**

CSC1-like protein 2, Transmembrane protein 63B, TMEM63B, C6orf110

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.

TMEM63B Antibody (C-term) Blocking peptide - Protein Information**Name** TMEM63B**Synonyms** C6orf110**Function**

Acts as an osmosensitive calcium-permeable cation channel (By similarity). Mechanosensitive ion channel that converts mechanical stimuli into a flow of ion (PubMed:37543036). Acts as an inner ear osmosensor, essential for normal hearing and survival of inner ear outer hair cells (OHCs). Mediates calcium-dependent regulatory volume decrease in OHCs which is necessary for their survival. Required for the maintenance of the morphological integrity of OHCs under hypotonic conditions. Mediates hypo-osmolarity-induced calcium influx, leading to activation of calcium-dependent potassium channels required for the maintenance of OHC morphology (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

TMEM63B Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TMEM63B Antibody (C-term) Blocking peptide - Images