

TMEM65 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10360a**Specification**

TMEM65 Antibody (N-term) Blocking peptide - Product Information

Primary Accession [Q6PI78](#)
Other Accession [NP_919267.2](#)

TMEM65 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 157378

Other Names

Transmembrane protein 65, TMEM65

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.

TMEM65 Antibody (N-term) Blocking peptide - Protein Information

Name TMEM65

Function

Essential for maintaining proper cardiac intercalated disk (ICD) structure and function as well as cardiac conduction velocity in the heart. Its association with SCN1B is required for stabilizing the perinexus in the ICD and for localization of GJA1 and SCN5A to the ICD. May regulate the function of the gap junction protein GJA1 and may contribute to the stability and proper localization of GJA1 to cardiac intercalated disk thereby regulating gap junction communication (By similarity). May also play a role in the regulation of mitochondrial respiration and mitochondrial DNA copy number maintenance (PubMed:28295037).

Cellular Location

Cell membrane; Multi-pass membrane protein. Mitochondrion inner membrane; Multi-pass membrane protein. Note=Localizes at the intercalated disk in the ventricular tissue (PubMed:26403541)

Tissue Location

Predominantly expressed the ventricular tissue (at protein level).

TMEM65 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TMEM65 Antibody (N-term) Blocking peptide - Images**TMEM65 Antibody (N-term) Blocking peptide - References**

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :Bonaldo, M.F., et al. Genome Res. 6(9):791-806(1996)