

# TM165 Antibody (N-term) Blocking peptide

Synthetic peptide Catalog # BP5509a

## Specification

## TM165 Antibody (N-term) Blocking peptide - Product Information

Primary Accession Other Accession <u>Q9HC07</u> <u>NP 060945.2</u>

## TM165 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 55858

**Other Names** Transmembrane protein 165, Transmembrane protein PT27, Transmembrane protein TPARL, TMEM165, TPARL

#### 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.

## TM165 Antibody (N-term) Blocking peptide - Protein Information

### Name TMEM165 {ECO:0000303|PubMed:32047108, ECO:0000312|HGNC:HGNC:30760}

Function

Putative divalent cation:proton antiporter that exchanges calcium or manganese ions for protons across the Golgi membrane. Mediates the reversible transport of calcium or manganese to the Golgi lumen driven by the proton gradient and possibly the membrane potential generated by V-ATPase. Provides calcium or manganese cofactors to resident Golgi enzymes and contributes to the maintenance of an acidic luminal Golgi pH required for proper functioning of the secretory pathway (PubMed:<a href="http://www.uniprot.org/citations/32047108"]

target="\_blank">32047108</a>, PubMed:<a href="http://www.uniprot.org/citations/23569283" target="\_blank">23569283</a>, PubMed:<a href="http://www.uniprot.org/citations/22683087" target="\_blank">22683087</a>, PubMed:<a href="http://www.uniprot.org/citations/27008884" target="\_blank">27008884</a>) (By similarity). Promotes Ca(2+) storage within the Golgi lumen of the mammary epithelial cells to be then secreted into milk (By similarity). The transport mechanism and stoichiometry remains to be elucidated.

#### **Cellular Location**

Golgi apparatus membrane {ECO:0000250|UniProtKB:P52875}; Multi-pass membrane protein



**Tissue Location** Ubiquitously expressed.

## TM165 Antibody (N-term) Blocking peptide - Protocols

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

• <u>Blocking Peptides</u> TM165 Antibody (N-term) Blocking peptide - Images