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TM165 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP5509a

Specification

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

Primary Accession	Q9HC07
Other Accession	NP_060945.2

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:32047108, PubMed:23569283, PubMed:22683087, PubMed:27008884) (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.

- Blocking Peptides

TM165 Antibody (N-term) Blocking peptide - Images