

TM165 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5509A**Specification**

TM165 Antibody (N-term) - Product Information

Application	WB, FC,E
Primary Accession	Q9HC07
Other Accession	NP_060945.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34906
Antigen Region	17-45

TM165 Antibody (N-term) - Additional Information**Gene ID** 55858**Other Names**

Transmembrane protein 165, Transmembrane protein PT27, Transmembrane protein TPARG, TMEM165, TPARG

Target/Specificity

This TM165 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-45 amino acids from the N-terminal region of human TM165.

Dilution

WB~~1:1000

FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TM165 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TM165 Antibody (N-term) - 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

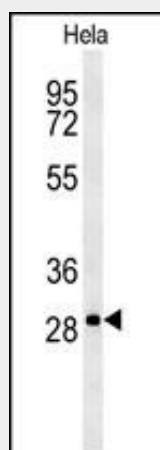
Ubiquitously expressed.

TM165 Antibody (N-term) - Protocols

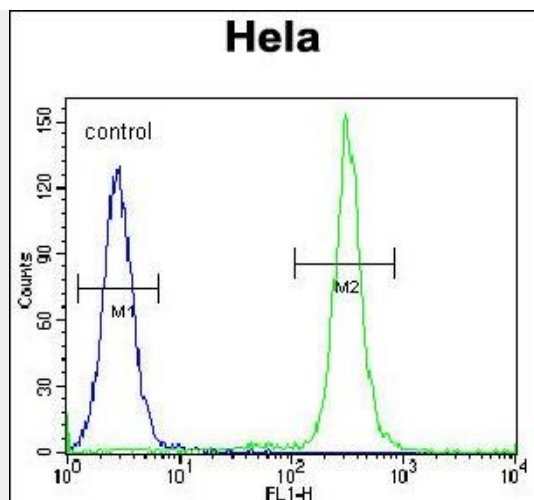
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TM165 Antibody (N-term) - Images



TM165 Antibody (N-term) (Cat.#AP5509a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the TM165 antibody detected the TM165 protein (arrow).



TM165 Antibody (N-term) (Cat. #AP5509a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TM165 Antibody (N-term) - Background

The function of TM165 remains unknown.

TM165 Antibody (N-term) - References

- Terracciano, A., et al. Mol. Psychiatry (2008)
- Hu, R.M., et al. Proc. Natl. Acad. Sci. U.S.A. 97(17):9543-9548(2000)
- Akagi, J., et al. Biochem. Biophys. Res. Commun. 157(2):548-557(1988)