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Tmem165 Antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13014

Product Information

Application	WB
Primary Accession	P52875
Other Accession	NM_011626, NP_035756
Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34791

Additional Information

Gene ID	21982
Alias Symbol	AV026557, Tpardl, Tparl, pFT27
Other Names	Transmembrane protein 165, TPA-regulated locus protein, Transmembrane protein PFT27, Transmembrane protein TPARL, Tmem165, Tparl
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Tmem165 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Tmem165 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

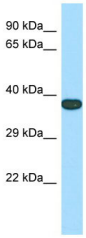
Name	Tmem165 {ECO:0000303|PubMed:30622138, ECO:0000312|MGI:MGI:894407}
Function	Putative divalent cation:proton antiporter that exchanges calcium or manganese ions for protons across the Golgi membrane. Mediates the reversible transport of calcium or manganese to the Golgi lumen driven by the proton 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 (By similarity). Promotes Ca(2+) storage within the Golgi lumen of the mammary epithelial cells to be then secreted into milk (PubMed:30622138). The transport

	mechanism and stoichiometry remains to be elucidated (By similarity).
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein
Tissue Location	Expressed in mammary epithelial cells (at protein level).

References

Akagi J.,et al.Biochem. Biophys. Res. Commun. 157:548-557(1988).
Wilsbacher L.D.,et al.Genome Res. 10:1928-1940(2000).

Images



Host: Rabbit
Target Name: Tmem165
Sample Tissue: Mouse Stomach lysates
Antibody Dilution: 1.0µg/ml