

**TMTC3 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17381b****Specification**

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**TMTC3 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q6ZXV5](#)**TMTC3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 160418**Other Names**

Transmembrane and TPR repeat-containing protein 3, Protein SMILE, TMTC3

**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.

**TMTC3 Antibody (C-term) Blocking Peptide - Protein Information****Name** TMTC3 ([HGNC:26899](#))**Function**

Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. The 4 members of the TMTC family are O-mannosyl- transferases dedicated primarily to the cadherin superfamily, each member seems to have a distinct role in decorating the cadherin domains with O-linked mannose glycans at specific regions. Also acts as O- mannosyl-transferase on other proteins such as PDIA3 (PubMed:<a href="http://www.uniprot.org/citations/28973932" target="\_blank">28973932</a>). Involved in the positive regulation of proteasomal protein degradation in the endoplasmic reticulum (ER), and the control of ER stress response.

**Cellular Location**

Membrane; Multi-pass membrane protein. Endoplasmic reticulum. Note=In odontoblast cultures, it colocalizes with PDIA3 in the endoplasmic reticulum

**TMTC3 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TMTC3 Antibody (C-term) Blocking Peptide - Images****TMTC3 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a protein that belongs to the transmembrane and tetratricopeptide repeat-containing protein family.

**TMTC3 Antibody (C-term) Blocking Peptide - References**

Mehrle, A., et al. Nucleic Acids Res. 34 (DATABASE ISSUE), D415-D418 (2006) :