

TBC1D10B Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17678b**Specification**

TBC1D10B Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q4KMP7](#)

TBC1D10B Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 26000

Other Names

TBC1 domain family member 10B, Rab27A-GAP-beta, TBC1D10B

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.

TBC1D10B Antibody (C-term) Blocking Peptide - Protein Information

Name TBC1D10B

Function

Acts as a GTPase-activating protein for RAB3A, RAB22A, RAB27A, and RAB35. Does not act on RAB2A and RAB6A.

Cellular Location

Cytoplasm. Cell membrane. Note=Predominantly localizes near the plasma membrane (PubMed:16923811). In melanocytes, located at the periphery of cells (PubMed:16923811)

TBC1D10B Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TBC1D10B Antibody (C-term) Blocking Peptide - Images**TBC1D10B Antibody (C-term) Blocking Peptide - Background**

Small G proteins of the RAB family (see MIM 179508) function in intracellular vesicle trafficking by switching from the GTP-bound state to the GDP-bound state with the assistance of guanine nucleotide exchange factors (GEFs; see MIM 609700) and GTPase-activating proteins (GAPs). TBC1D10B functions as a GAP for several proteins of the Rab family (Ishibashi et al., 2009 [PubMed 19077034]).

TBC1D10B Antibody (C-term) Blocking Peptide - References

Ishibashi, K., et al. Genes Cells 14(1):41-52(2009) Choy, K.W., et al. Physiol. Genomics 25(1):9-15(2006) Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)