

TBC1D10B Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17678b

Product Information

Application	WB, E
Primary Accession	Q4KMP7
Other Accession	NP_056342.3
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37646
Calculated MW	87199
Antigen Region	781-808

Additional Information

Gene ID	26000
Other Names	TBC1 domain family member 10B, Rab27A-GAP-beta, TBC1D10B
Target/Specificity	This TBC1D10B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 781-808 amino acids from the C-terminal region of human TBC1D10B.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	TBC1D10B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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)

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]).

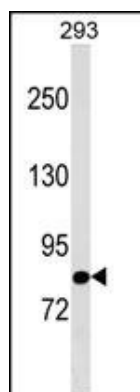
References

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)

Images



TBC1D10B Antibody (C-term) (Cat. #AP17678b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the TBC1D10B antibody detected the TBC1D10B protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.