

#### **TBCK Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18361A

## **Specification**

#### TBCK Antibody (N-term) - Product Information

Application WB,E
Primary Accession OBTEA7

Other Accession <u>Q8BM85</u>, <u>NP 001156907.1</u>

Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 100679
Antigen Region 109-135

## TBCK Antibody (N-term) - Additional Information

#### **Gene ID 93627**

#### **Other Names**

TBC domain-containing protein kinase-like protein, TBCK  $\{ECO:0000303|PubMed:12471243\}$ , TBCKL

#### Target/Specificity

This TBCK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-135 amino acids from the N-terminal region of human TBCK.

### **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**

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

# TBCK Antibody (N-term) - Protein Information

Name TBCK {ECO:0000303|PubMed:12471243}



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Function Component of the FERRY complex (Five-subunit Endosomal Rab5 and RNA/ribosome intermediary) (PubMed: 37267905). The FERRY complex directly interacts with mRNAs and RAB5A, and functions as a RAB5A effector involved in the localization and the distribution of specific mRNAs most likely by mediating their endosomal transport. The complex recruits mRNAs and ribosomes to early endosomes through direct mRNA- interaction (PubMed: 37267905). Also involved in the modulation of mTOR signaling and expression of mTOR complex components (PubMed:23977024, PubMed:27040691). Involved in the control of actin-cytoskeleton organization (PubMed: 23977024).

#### **Cellular Location**

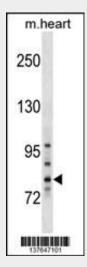
Cytoplasm. Cytoplasm, cytoskeleton, spindle. Midbody Early endosome. Note=Mainly localized in the cytoplasm during interphase. During metaphase, TBCK accumulates at the mitotic spindle. At the end of mitosis, it is detected at the midbody.

## **TBCK 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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## TBCK Antibody (N-term) - Images



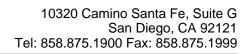
TBCK Antibody (N-term) (Cat. #AP18361a) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the TBCK Antibody detected the TBCK protein (arrow).

## TBCK Antibody (N-term) - Background

The function of HSPC302 has not yet been determined.

## **TBCK Antibody (N-term) - References**

Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010)





Ishibashi, K., et al. Genes Cells 14(1):41-52(2009)