

**PPTC7 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18046b**

**Specification**

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**PPTC7 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8NI37</a>
Other Accession	<a href="#">Q6NVE9</a> , <a href="#">NP_644812.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	32646
Antigen Region	239-267

**PPTC7 Antibody (C-term) - Additional Information**

**Gene ID** 160760

**Other Names**

Protein phosphatase PTC7 homolog, T-cell activation protein phosphatase 2C, TA-PP2C, T-cell activation protein phosphatase 2C-like, PPTC7, TAPP2C

**Target/Specificity**

This PPTC7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 239-267 amino acids from the C-terminal region of human PPTC7.

**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**

PPTC7 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PPTC7 Antibody (C-term) - Protein Information**

**Name** PPTC7

**Synonyms** TAPP2C

**Function** Protein phosphatase that plays an essential role in mitochondrial metabolism and biogenesis (PubMed:[30267671](#)). Positively regulates biosynthesis of the ubiquinone, coenzyme Q (PubMed:[30267671](#)). Dephosphorylates the ubiquinone biosynthesis protein COQ7 which is likely to lead to its activation (PubMed:[30267671](#)). Serves as a crucial sensor for mitophagy, though the underlying mechanism remains ambiguous (By similarity). May dephosphorylate BNIP3 and NIX and thereby directly regulates mitophagy receptor function and stability (By similarity). Alternatively, promotes SCF-FBXL4-dependent ubiquitination and degradation of BNIP3 and NIX independently of its catalytic activity to restrain mitophagy (PubMed:[38992176](#)).

**Cellular Location**

Mitochondrion matrix

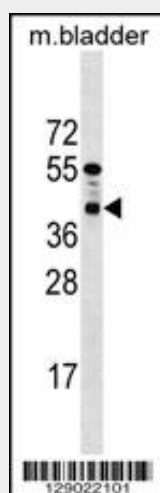
**Tissue Location**

Expressed in keratinocytes (at protein level).

**PPTC7 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PPTC7 Antibody (C-term) - Images**

PPTC7 Antibody (C-term) (Cat. #AP18046b) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the PPTC7 antibody detected the PPTC7 protein (arrow).

**PPTC7 Antibody (C-term) - Background**

The function of this protein remains unknown.

## **PPTC7 Antibody (C-term) - References**

Mao, M., et al. Genomics 83(6):989-999(2004)