

PPTC7 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15956**Specification**

PPTC7 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q8NI37
Other Accession	NM_139283 , NP_644812
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog, Horse, Guinea Pig
Predicted	Human, Mouse, Rat, Rabbit, Pig, Bovine, Dog, Horse, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32kDa KDa

PPTC7 Antibody - C-terminal region - Additional Information**Gene ID** 160760**Alias Symbol** TA-PP2C, TAPP2C**Other Names**

Protein phosphatase PTC7 homolog, 3.1.3.16, T-cell activation protein phosphatase 2C, TA-PP2C, T-cell activation protein phosphatase 2C-like, PPTC7, TAPP2C

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-PPTC7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

PPTC7 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PPTC7 Antibody - C-terminal region - 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

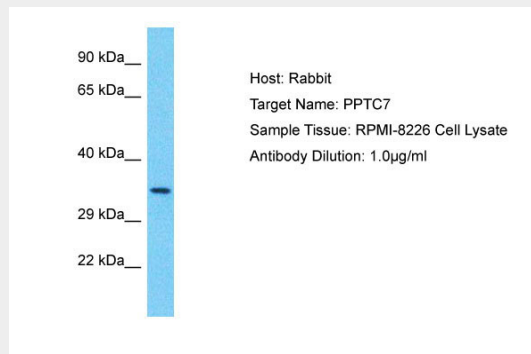
Expressed in keratinocytes (at protein level).

PPTC7 Antibody - C-terminal region - 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-terminal region - Images



Host: Rabbit
Target Name: PPTC7
Sample Tissue: RPMI-8226 Whole cell lysate
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Antibody Dilution: 1.0µg/ml

PPTC7 Antibody - C-terminal region - References

Mao M.,et al.Genomics 83:989-999(2004).
Zhou G.,et al.Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

