

**TPK1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9142a****Specification**

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**TPK1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9H3S4](#)**TPK1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 27010**Other Names**

Thiamin pyrophosphokinase 1, hTPK1, Placental protein 20, PP20, Thiamine pyrophosphokinase 1, TPK1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9142a](/products/AP9142a) was selected from the N-term region of human TPK1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**TPK1 Antibody (N-term) Blocking Peptide - Protein Information****Name** TPK1 {ECO:0000303|PubMed:11342111, ECO:0000312|HGNC:HGNC:17358}**Function**

Catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. Can also catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate.

**Tissue Location**

Detected in heart, kidney, testis, small intestine and peripheral blood leukocytes, and at very low levels in a variety of tissues.

**TPK1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TPK1 Antibody (N-term) Blocking Peptide - Images**

#### **TPK1 Antibody (N-term) Blocking Peptide - Background**

TPK1 is a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate.

#### **TPK1 Antibody (N-term) Blocking Peptide - References**

Bohn,H. et.al., Arch. Gynecol. 236 (4), 235-242 (1985)