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TPK1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9142a

Specification

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 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

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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)