

**PHPT1 Antibody( N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2721a****Specification**

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**PHPT1 Antibody( N-term) Blocking Peptide - Product Information**Primary Accession [Q9NRX4](#)**PHPT1 Antibody( N-term) Blocking Peptide - Additional Information****Gene ID** 29085**Other Names**

14 kDa phosphohistidine phosphatase, 313-, Phosphohistidine phosphatase 1, Protein janus-A homolog, PHPT1, PHP14

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2721a](/product/products/AP2721a) was selected from the region of human PHPT1. 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.

**PHPT1 Antibody( N-term) Blocking Peptide - Protein Information****Name** PHPT1**Synonyms** PHP14**Function**

Exhibits phosphohistidine phosphatase activity.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed abundantly in heart and skeletal muscle.

**PHPT1 Antibody( N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PHPT1 Antibody( N-term) Blocking Peptide - Images****PHPT1 Antibody( N-term) Blocking Peptide - Background**

PHPT1 is an EDTA-insensitive phosphohistidine phosphatase that catalyzes the dephosphorylation of phosphopeptide I (Ek et al., 2002 [PubMed 12383260]).[supplied by OMIM].

**PHPT1 Antibody( N-term) Blocking Peptide - References**

Lim,J., Cell 125 (4), 801-814 (2006)Mehrlé,A., Nucleic Acids Res. 34 (DATABASE ISSUE), D415-D418 (2006)Ma,R.,Biochem. Biophys. Res. Commun. 337 (3), 887-891 (2005)