

**PHPT1 Antibody( N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2721a**

**Specification**

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**PHPT1 Antibody( N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9NRX4</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	13833
Antigen Region	1-30

**PHPT1 Antibody( N-term) - Additional Information**

**Gene ID** 29085

**Other Names**

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

**Target/Specificity**

This PHPT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PHPT1.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

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**

PHPT1 Antibody( N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**PHPT1 Antibody( N-term) - Protein Information**

**Name** PHPT1

**Synonyms** PHP14**Function** Exhibits phosphohistidine phosphatase activity.**Cellular Location**

Cytoplasm.

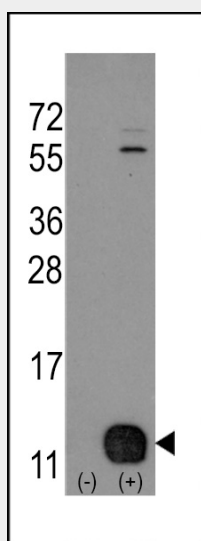
**Tissue Location**

Expressed abundantly in heart and skeletal muscle.

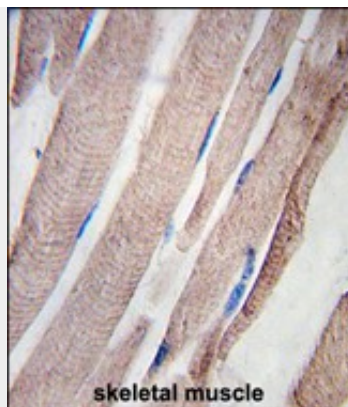
**PHPT1 Antibody( N-term) - Protocols**

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](#)

**PHPT1 Antibody( N-term) - Images**

Western blot analysis of PHPT1 (arrow) using rabbit polyclonal PHPT1 Antibody (Human N-term) (Cat#.AP2721a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PHPT1 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PHPT1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **PHPT1 Antibody( N-term) - 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) - References**

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