

# PHPT1 Antibody( N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2721a

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">Q9NRX4</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB10870
<b>Calculated MW</b>	13833
<b>Antigen Region</b>	1-30

## Additional Information

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<b>Gene ID</b>	29085
<b>Other Names</b>	14 kDa phosphohistidine phosphatase, 313-, Phosphohistidine phosphatase 1, Protein janus-A homolog, PHPT1, PHP14
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	PHPT1 Antibody( N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	PHPT1
<b>Synonyms</b>	PHP14
<b>Function</b>	Exhibits phosphohistidine phosphatase activity.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed abundantly in heart and skeletal muscle.

## Background

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

## References

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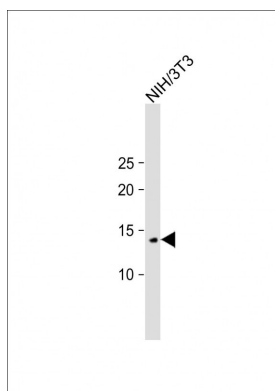
Lim,J., Cell 125 (4), 801-814 (2006)

Mehrle,A., Nucleic Acids Res. 34 (DATABASE ISSUE), D415-D418 (2006)

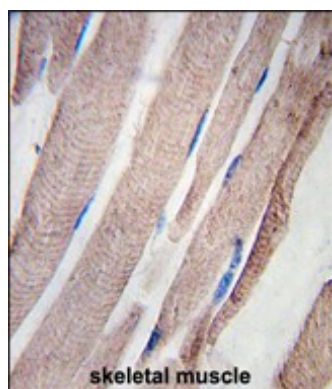
Ma,R.,Biochem. Biophys. Res. Commun. 337 (3), 887-891 (2005)

## Images

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All lanes: Anti-PHPT1 Antibody( N-term) at 1:500 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 13. 8 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.