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# PHPT1 Antibody( C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2721b

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q9NRX4 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB10636 |
| **Calculated MW** | 13833 |
| **Antigen Region** | 88-117 |

## Additional Information

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|---|---|
| **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 88-117 amino acids from the C-terminal region of human PHPT1. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration. |
| **Format** | 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. |
| **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( C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | PHPT1 |
| **Synonyms** | PHP14 |
| **Function** | Exhibits phosphohistidine phosphatase activity. |

**Cellular Location** Cytoplasm.

**Tissue Location** Expressed abundantly in heart and skeletal muscle.

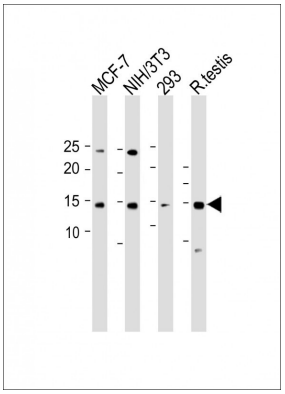
## Background

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

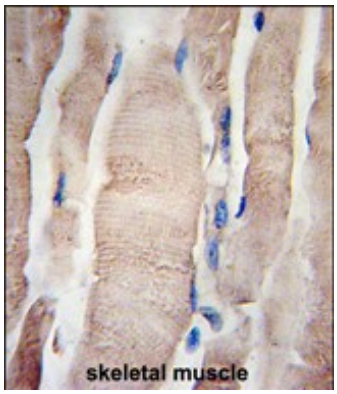
## References

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)

## Images




All lanes: Anti-PHPT1 Antibody( C-term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: 293 whole cell lysate Lane 4: Rat testis 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 (N-term) (Cat.#AP2721b), 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'.