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PHPT1 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2721a

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	RB10870
Calculated MW	13833
Antigen Region	1-30

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~~1:100~500 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(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PHPT1
Synonyms	PHP14
Function	Exhibits phosphohistidine phosphatase activity.

Cellular Location Cytoplasm.

Tissue Location Expressed abundantly in heart and skeletal muscle.

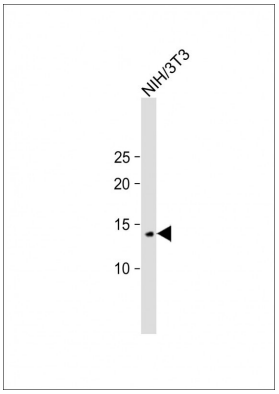
Background

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

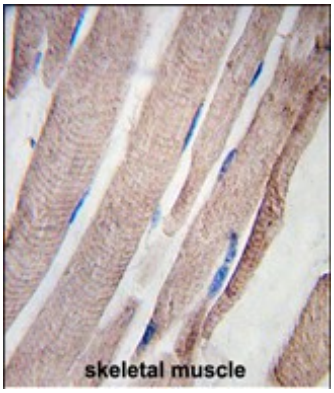
References

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(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'.