

**PHTNS Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9994a**

### Specification

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#### PHTNS Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q6NYC8</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67943
Antigen Region	192-220

#### PHTNS Antibody (N-term) - Additional Information

**Gene ID** 170954

#### Other Names

Phostensin, Protein phosphatase 1 F-actin cytoskeleton-targeting subunit, Protein phosphatase 1 regulatory subunit 18, PPP1R18, HKMT1098, KIAA1949

#### Target/Specificity

This PHTNS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-220 amino acids from the N-terminal region of human PHTNS.

#### Dilution

WB~~1:1000  
IHC-P~~1:50~100  
FC~~1:10~50

#### 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

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

#### PHTNS Antibody (N-term) - Protein Information

**Name** PPP1R18

**Synonyms** HKMT1098, KIAA1949

**Function** [Isoform 1]: May target protein phosphatase 1 to F-actin cytoskeleton.

**Cellular Location**

[Isoform 1]: Cytoplasm, cytoskeleton

**Tissue Location**

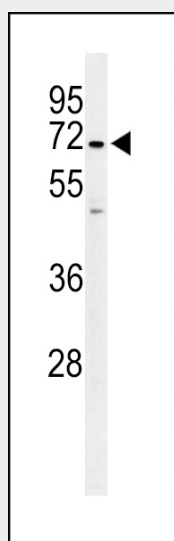
Isoform 4 is predominantly expressed in leukocytes and spleen.

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

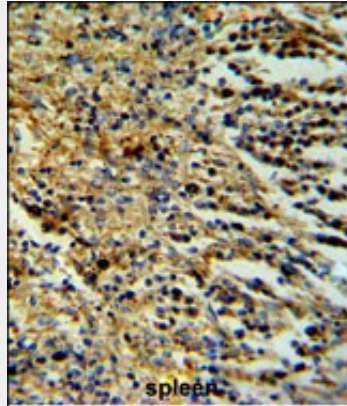
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

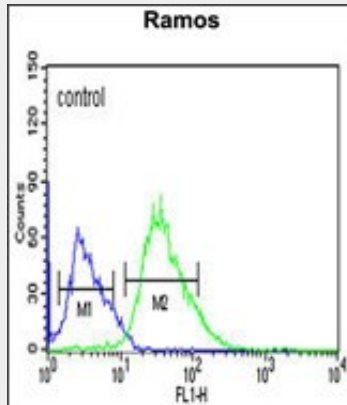
**PHTNS Antibody (N-term) - Images**



Western blot analysis of PHTNS Antibody (N-term) (Cat. #AP9994a) in Ramos cell line lysates (35ug/lane). PHTNS (arrow) was detected using the purified Pab.



PHTNS Antibody (N-term) (Cat. #AP9994a) IHC analysis in formalin fixed and paraffin embedded human spleen tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PHTNS Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



PHTNS Antibody (N-term) (Cat. #AP9994a) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**PHTNS Antibody (N-term) - Background**

PHTNS interacts with regulatory subunits that target the enzyme to different cellular locations and change its activity toward specific substrates. Phostensin is a regulatory subunit that targets PP1 to F-actin cytoskeleton

**PHTNS Antibody (N-term) - References**

Lai, N.S., et al. *Biochem. Biophys. Res. Commun.* 387(4):676-681(2009)  
 Barcellos, L.F., et al. *PLoS Genet.* 5 (10), E1000696 (2009)  
 Kao, S.C., et al. *Biochem. Biophys. Res. Commun.* 356(3):594-598(2007)