

**PRPS2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16421c****Specification**

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**PRPS2 Antibody (Center) - Product Information**

|                   |                                                                                                                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | WB,E                                                                                                                                                                                                                                                                                                                    |
| Primary Accession | <a href="#">P11908</a>                                                                                                                                                                                                                                                                                                  |
| Other Accession   | <a href="#">Q7ZXC9</a> , <a href="#">P09330</a> , <a href="#">Q9CS42</a> , <a href="#">Q4R4R7</a> , <a href="#">P60892</a> ,<br><a href="#">Q9D7G0</a> , <a href="#">Q4R4U3</a> , <a href="#">P60891</a> , <a href="#">Q2HJ58</a> , <a href="#">P38063</a> ,<br><a href="#">P38620</a> , <a href="#">NP_001034180.1</a> |
| Reactivity        | Human                                                                                                                                                                                                                                                                                                                   |
| Predicted         | Yeast, Bovine, Monkey, Mouse, Rat,<br>Xenopus                                                                                                                                                                                                                                                                           |
| Host              | Rabbit                                                                                                                                                                                                                                                                                                                  |
| Clonality         | Polyclonal                                                                                                                                                                                                                                                                                                              |
| Isotype           | Rabbit IgG                                                                                                                                                                                                                                                                                                              |
| Calculated MW     | 34769                                                                                                                                                                                                                                                                                                                   |
| Antigen Region    | 77-106                                                                                                                                                                                                                                                                                                                  |

**PRPS2 Antibody (Center) - Additional Information****Gene ID** 5634**Other Names**

Ribose-phosphate pyrophosphokinase 2, PPRibP, Phosphoribosyl pyrophosphate synthase II, PRS-II, PRPS2

**Target/Specificity**

This PRPS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 77-106 amino acids from the Central region of human PRPS2.

**Dilution**

WB~~1:1000

**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**

PRPS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRPS2 Antibody (Center) - Protein Information**

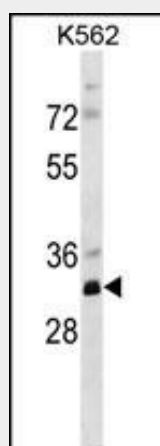
**Name** PRPS2

**Function** Catalyzes the synthesis of phosphoribosylpyrophosphate (PRPP) that is essential for nucleotide synthesis.

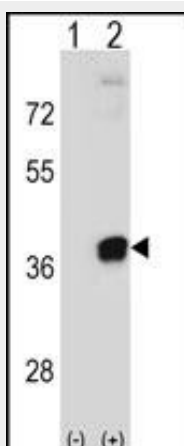
**PRPS2 Antibody (Center) - Protocols**

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](#)

**PRPS2 Antibody (Center) - Images**

PRPS2 Antibody (Center) (Cat. #AP16421c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the PRPS2 antibody detected the PRPS2 protein (arrow).



Western blot analysis of PRPS2 (arrow) using rabbit polyclonal PRPS2 Antibody (Center) (Cat. #AP16421c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected

(Lane 2) with the PRPS2 gene.

#### **PRPS2 Antibody (Center) - Background**

PRPS2 is a phosphoribosyl pyrophosphate synthetase that plays a central role in the synthesis of purines and pyrimidines. The encoded protein catalyzes the synthesis of 5-phosphoribosyl 1-pyrophosphate from ATP and D-ribose 5-phosphate. Alternate splicing results in multiple transcript variants.

#### **PRPS2 Antibody (Center) - References**

Mannava, S., et al. Cell Cycle 7(15):2392-2400(2008)  
Tatibana, M., et al. Adv. Enzyme Regul. 35, 229-249 (1995) :  
Dawson, S.J., et al. J. Infect. 24(3):317-320(1992)  
Ishizuka, T., et al. Biochim. Biophys. Acta 1130(2):139-148(1992)  
Becker, M.A., et al. Genomics 8(3):555-561(1990)