

**PKNOX2 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18419c**

**Specification**

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**PKNOX2 Antibody (Center) - Product Information**

|                   |                                                      |
|-------------------|------------------------------------------------------|
| Application       | WB,E                                                 |
| Primary Accession | <a href="#">O96KN3</a>                               |
| Other Accession   | <a href="#">O8BG99</a> , <a href="#">NP_071345.2</a> |
| Reactivity        | Human                                                |
| Predicted         | Mouse                                                |
| Host              | Rabbit                                               |
| Clonality         | Polyclonal                                           |
| Isotype           | Rabbit IgG                                           |
| Calculated MW     | 52028                                                |
| Antigen Region    | 298-324                                              |

**PKNOX2 Antibody (Center) - Additional Information**

**Other Names**

Homeobox protein PKNOX2, Homeobox protein PREP-2, PBX/knotted homeobox 2, PKNOX2, PREP2

**Target/Specificity**

This PKNOX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 298-324 amino acids from the Central region of human PKNOX2.

**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**

PKNOX2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PKNOX2 Antibody (Center) - Protein Information**

**Name** PKNOX2

**Synonyms** PREP2

**Cellular Location**

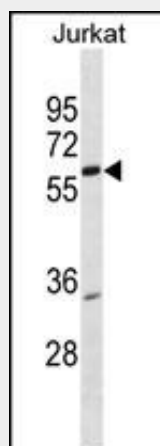
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:11549286}

### PKNOX2 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](#)

### PKNOX2 Antibody (Center) - Images



PKNOX2 Antibody (Center) (Cat. #AP18419c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the PKNOX2 Antibody detected the PKNOX2 protein (arrow).

### PKNOX2 Antibody (Center) - Background

Homeodomain proteins are sequence-specific transcription factors that share a highly conserved DNA-binding domain and play fundamental roles in cell proliferation, differentiation, and death. PKNOX2 belongs to the TALE (3-amino acid loop extension) class of homeodomain proteins characterized by a 3-amino acid extension between alpha helices 1 and 2 within the homeodomain (Imoto et al., 2001 [PubMed 11549286]).

### PKNOX2 Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)  
Chen, X., et al. Proc. Natl. Acad. Sci. U.S.A. (2009) In press :  
Haller, K., et al. J. Biol. Chem. 279(47):49384-49394(2004)