

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

Specification

PKNOX2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O96KN3
Other Accession	O8BG99 , NP_071345.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52028
Antigen Region	298-324

PKNOX2 Antibody (Center) - Additional Information

Gene ID 63876

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

E~~Use at an assay dependent concentration.

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

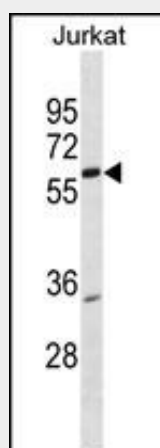
Synonyms PREP2**Cellular Location**

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)