

# PKNOX1 Rabbit pAb

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Catalog # AP54938

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">P55347</a>
<b>Reactivity</b>	Rat
<b>Predicted</b>	Human, Mouse, Dog, Horse, Rabbit, Sheep
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	47607
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human PKNOX1
<b>Epitope Specificity</b>	21-120/436
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus.
<b>SIMILARITY</b>	Belongs to the TALE/MEIS homeobox family. Contains 1 homeobox DNA-binding domain.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## Additional Information

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<b>Gene ID</b>	5316
<b>Other Names</b>	Homeobox protein PKNOX1, Homeobox protein PREP-1, PBX/knotted homeobox 1, PKNOX1 {ECO:0000303   PubMed:9479508, ECO:0000312   HGNC:HGNC:9022}
<b>Target/Specificity</b>	Ubiquitous. Isoform 2 is expressed in all examined tissues except in bone marrow.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

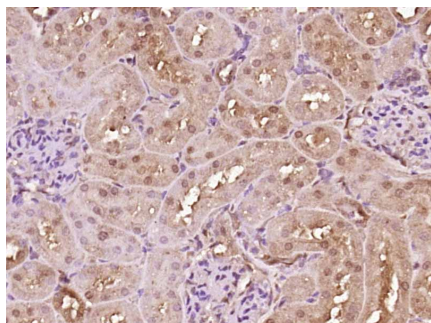
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<b>Name</b>	PKNOX1 {ECO:0000303   PubMed:9479508, ECO:0000312   HGNC:HGNC:9022}
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<b>Function</b>	Activates transcription in the presence of PBX1A and HOXA1.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Ubiquitous. Isoform 2 is expressed in all examined tissues except in bone marrow.

## Images

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Paraformaldehyde-fixed, paraffin embedded (Rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PKNOX1) Polyclonal Antibody, Unconjugated (AP54938) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.