

For Research Use Only

# PKNOX2 Polyclonal antibody, PBS Only

Catalog Number: 20352-1-PBS



## Basic Information

<b>Catalog Number:</b> 20352-1-PBS	<b>GenBank Accession Number:</b> BC045626	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 63876	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96KN3	
<b>Isotype:</b> IgG	<b>Full Name:</b> PBX/knotted 1 homeobox 2	
<b>Immunogen Catalog Number:</b> AG14195	<b>Calculated MW:</b> 472 aa, 52 kDa	
	<b>Observed MW:</b> 70 kDa, 55 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

PKNOX2, PBX/knotted 1 homeobox 2, also named as PREP2, belongs to the three-amino acid loop extension (TALE) homeobox family. As it contains a DNA-binding motif, PKNOX2 may function as a nuclear transcription factor, experiments have reported the PKNOX2 protein locates to the nucleus. It was showed that highest expression of a 4-kb PREP2 (PKNOX2) transcript in heart, brain, skeletal muscle, and ovary (PMID:11972344). Several years later, PKNOX2 was identified as one of the cis-regulated genes for alcohol addiction in mice, however it has not been reported to be associated with any similar phenotype in humans to date (PMID:19721000). The molecular weight of the protein may differ from the theoretical value.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

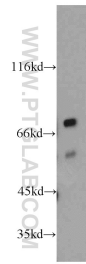
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

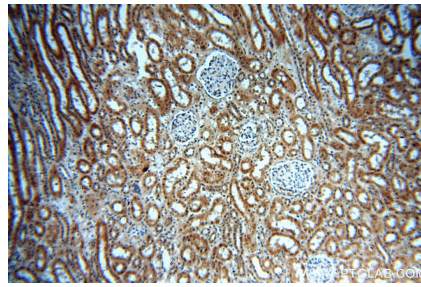
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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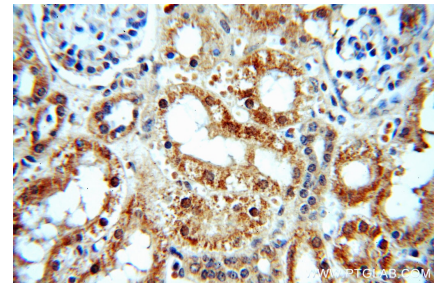
## Selected Validation Data



RAW264.7 cells were subjected to SDS PAGE followed by western blot with 20352-1-AP (PKNOX2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20352-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney using 20352-1-AP (PKNOX2 antibody) at dilution of 1:50 (under 10x lens). This data was developed using the same antibody clone with 20352-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney using 20352-1-AP (PKNOX2 antibody) at dilution of 1:50 (under 40x lens). This data was developed using the same antibody clone with 20352-1-PBS in a different storage buffer formulation.