

For Research Use Only

PKNOX2 Polyclonal antibody, PBS Only

Catalog Number:20352-1-PBS



Basic Information

Catalog Number:

20352-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14195

GenBank Accession Number:

BC045626

GeneID (NCBI):

63876

UNIPROT ID:

Q96KN3

Full Name:

PBX/knotted 1 homeobox 2

Calculated MW:

472 aa, 52 kDa

Observed MW:

70 kDa, 55 kDa

Purification Method:

Antigen affinity purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

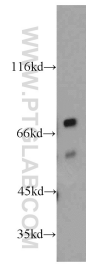
T: 4006900926

E: Proteintech-CN@ptglab.com

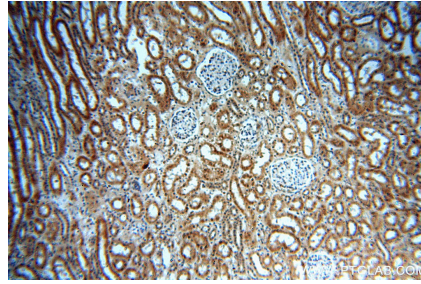
W: ptgcn.com

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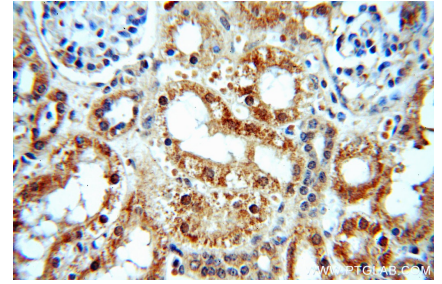
Selected Validation Data



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.