

# HOXB13 Polyclonal antibody

Catalog Number: 26384-1-AP

## Basic Information

<b>Catalog Number:</b> 26384-1-AP	<b>GenBank Accession Number:</b> BC007092	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 10481	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92826	IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> homeobox B13	IF/ICC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG24757	<b>Calculated MW:</b> 284 aa, 31 kDa	
	<b>Observed MW:</b> 31-35 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> LNCaP cells, PC-3 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*)</b> Alternatively, antigen retrieval may be performed with <b>citrate buffer pH 6.0</b>	<b>IHC :</b> human prostate cancer tissue,
	<b>IF/ICC :</b> PC-3 cells,

## Background Information

The homeobox (HOX) is a specific and widely distributed DNA sequence characterizing genes that are responsive to HOX transcription factors. Homeobox B13 (HOXB13) is one of the numerous DNA-binding transcription factors of the HOX gene family that has been implicated in the development of normal prostate and cancer (PMID: 25825985). In addition, high-level expression of HOXB13 is closely associated with tumor angiogenesis and poor prognosis of hepatocellular carcinoma (PMID: 25031711).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

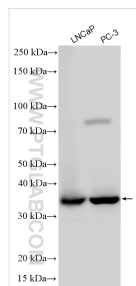
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

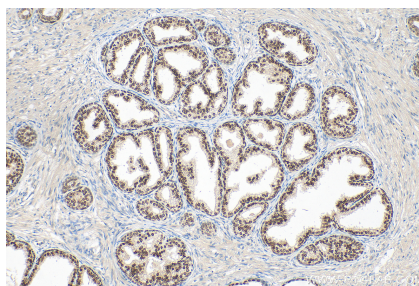
W: [ptgcn.com](http://ptgcn.com)

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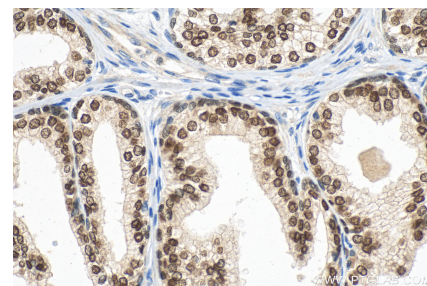
## Selected Validation Data



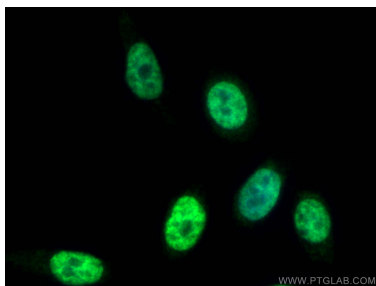
Various lysates were subjected to SDS PAGE followed by western blot with 26384-1-AP (HOXB13 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 26384-1-AP (HOXB13 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 26384-1-AP (HOXB13 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using HOXB13 antibody (26384-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).