

For Research Use Only

# PBX3 Polyclonal antibody

Catalog Number: 12571-1-AP

Featured Product

14 Publications



## Basic Information

<b>Catalog Number:</b> 12571-1-AP	<b>GenBank Accession Number:</b> BC016977	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5090	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> pre-B-cell leukemia homeobox 3	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 434 aa, 47 kDa	<b>IF 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG3239	<b>Observed MW:</b> 47 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

ChIP, IF, IHC, IP, RIP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human lung tissue,

IP : HL-60 cells,

IHC : human lung cancer tissue,

IF : HeLa cells,

## Background Information

PBX3, also named as Pre-B-cell leukemia transcription factor 3, is a 434 amino acid protein, which contains 1 homeobox DNA-binding domain and belongs to the TALE/PBX homeobox family. PBX3 localizes in the nucleus and as a transcriptional activator that binds the sequence 5'-ATCAATCAA-3'. PBX3 is ubiquitously expressed in many tissues.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jingjing Zhang	29066842	Sci Rep	IF
Shuanhu Wang	27900025	Oncol Lett	WB
Dandan Wang	35414770	Int J Biol Sci	WB, IHC

## 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

\*\*\* 20ul sizes contain 0.1% BSA

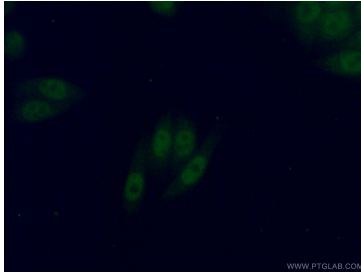
For technical support and original validation data for this product please contact:

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

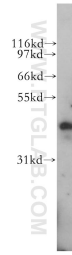
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

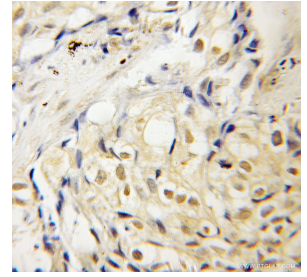
## Selected Validation Data



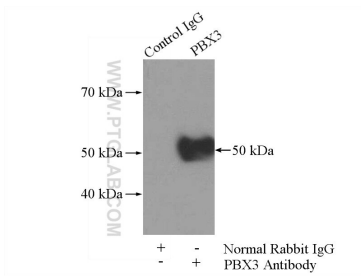
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12571-1-AP (PBX3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human lung tissue were subjected to SDS PAGE followed by western blot with 12571-1-AP (PBX3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 12571-1-AP (PBX3 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-PBX3 (IP:12571-1-AP, 4ug; Detection:12571-1-AP 1:500) with HL-60 cells lysate 3040ug.