

For Research Use Only

PBX3 Polyclonal antibody

Catalog Number: 12571-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

12571-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3239

GenBank Accession Number:

BC016977

GeneID (NCBI):

5090

UNIPROT ID:

P40426

Full Name:

pre-B-cell leukemia homeobox 3

Calculated MW:

434 aa, 47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, chIP, RIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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/ICC : 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

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

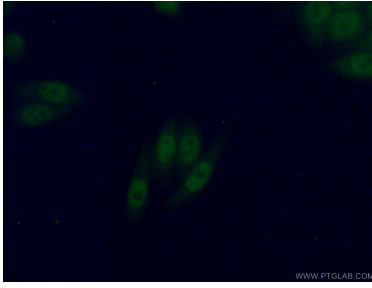
T: 4006900926

E: Proteintech-CN@ptglab.com

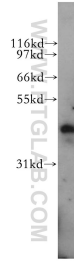
W: ptgcn.com

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

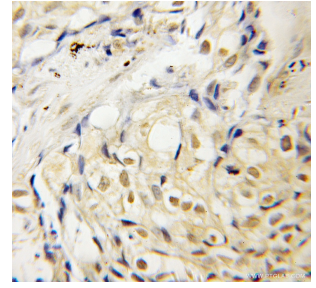
Selected Validation Data



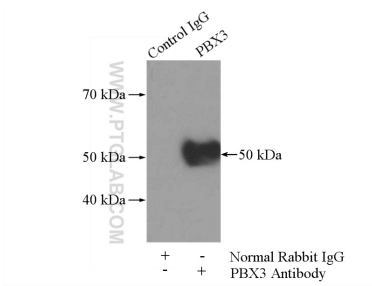
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12571-1-AP (PBX3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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.