For Research Use Only

PBX1 Polyclonal antibody

Catalog Number:18204-1-AP 13 Publications

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Basic Information

Catalog Number:
18204-1-AP

Size:
150ul , Concentration: 600 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12817

GenBank Accession Number:
BC101578

GeneID (NCBI):
5087

UNIPROT ID:
P40424

Full Name:
pre-B-cell leukemia homeobox 1

Calculated MW:
430 aa, 47 kDa

Observed MW:
52 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC 1:20-1:200

Applications

Tested Applications:
WB, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF, CoIP, ChIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

Positive Controls:

WB : A2780 cells, HeLa cells

IP : A2780 cells,

IF/ICC : HeLa cells,

Background Information

PBX1, also named as Pre-B-cell leukemia transcription factor 1, is a 430 amino acid protein, which belongs to the TALE/PBX homeobox family. PBX1 is expressed in all tissues except in cells of the B and T lineage. PBX1 acts as a transcriptional activator of PF4 in complex with MEIS1. PBX1 may have a role in steroidogenesis and, subsequently, sexual development and differentiation. Isoform PBX1b as part of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells is involved in the transcriptional activation of the ELA1 enhancer. PBX1 exists two isoforms (PBX1a and PBX1b) and molecular weight of PBX1 is 47 kDa and 38 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Yang	36297316	Pharmaceuticals (Basel)	WB
Qiao Song	36243980	Nucleic Acids Res	WB,CoIP
Wang Chen	36430539	Int J Mol Sci	WB

Storage

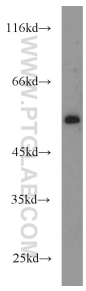
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

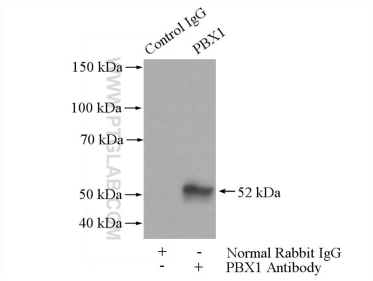
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

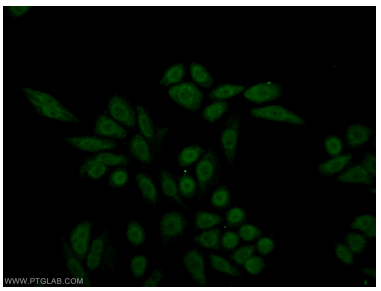
Selected Validation Data



A2780 cells were subjected to SDS PAGE followed by western blot with 18204-1-AP (PBX1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-PBX1 (IP:18204-1-AP, 4ug; Detection:18204-1-AP 1:500) with A2780 cells lysate 1000ug.



Immunofluorescent analysis of HeLa cells using 18204-1-AP (PBX1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).