

For Research Use Only

PBX4 Polyclonal antibody

Catalog Number: 22323-1-AP



Basic Information

Catalog Number:

22323-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17768

GenBank Accession Number:

BC141859

GeneID (NCBI):

80714

UNIPROT ID:

Q9BYU1

Full Name:

pre-B-cell leukemia homeobox 4

Calculated MW:

374 aa, 41 kDa

Observed MW:

70 kDa

Purification Method:

Antigen Affinity purified

Recommended Dilutions:

WB 1:500-1:1000

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

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, SKOV-3 cells, A2780 cells, COLO 320 cells, Jurkat cells

IP : A2780 cells,

Background Information

Pre-B-cell leukemia homeobox 4 (PBX4), also named as Homeobox protein PBX4, is one of the pbx gene encode homeodomain containing transcriptional regulators that interact with other proteins to control embryogenesis and tumorigenesis. Pbx 4 expression is confined to the testis, especially to spermatocytes in the pachytene stage of the first meiotic prophase. PBX4 may form heterodimers with other homeobox genes (hoxb1b or meis3) to specify different developmental fates during vertebrate embryogenesis (PMID:10679934). The trimeric complex containing Pbx4, Meis3, and Hoxb1b was also formed. The calculated molecular weight of PBX4 is about 41 kDa, but the molecular weight of heterodimers (PBX4 and hoxb1b) is about 70 kDa.

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

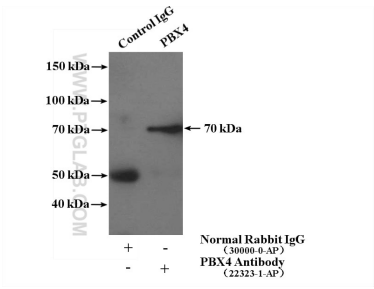
For technical support and original validation data for this product please contact:

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

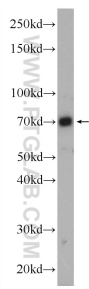
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



IP result of anti-PBX4 (IP:22323-1-AP, 4ug;
Detection:22323-1-AP 1:300) with A2780 cells
lysate 3600 ug.



HEK-293 cells were subjected to SDS PAGE
followed by western blot with 22323-1-AP (PBX4
Antibody) at dilution of 1:600 incubated at room
temperature for 1.5 hours.