

For Research Use Only

# PBX3 Recombinant monoclonal antibody

Catalog Number: 86595-3-RR



## Basic Information

Catalog Number:

86595-3-RR

Concentration:

1000 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:

47-50 kDa

Purification Method:

Protein A purification

CloneNo.:

251518A4

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: A431 cells, HeLa cells, fetal human brain tissue, mouse brain tissue, rat brain tissue, mouse lung tissue, rat lung tissue

## Background Information

PBX3 is a homeodomain-containing transcription factor of the pre-B cell leukemia (PBX) family, members of which have extensive roles in early development and some adult processes. It plays crucial roles in embryonic development, organogenesis, and cell differentiation by regulating the expression of downstream target genes. Beyond its physiological functions, PBX3 is increasingly recognized for its significant involvement in oncogenesis. It is frequently overexpressed in various malignancies, including leukemias and solid tumors, where it promotes cell proliferation, inhibits apoptosis, enhances invasion and metastasis, and contributes to chemotherapy resistance.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

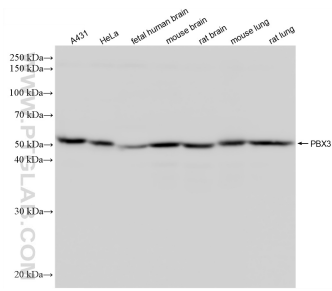
T: 4006900926

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

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

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86595-3-RR (PBX3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.