

Datasheet for ABIN1702529

**anti-PBX2 antibody (AA 265-370) (Cy3)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | PBX2                                                                                                                           |
| Binding Specificity: | AA 265-370                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This PBX2 antibody is conjugated to Cy3                                                                                        |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                     |
|-----------------------|---------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PBX2            |
| Isotype:              | IgG                                                                 |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Chicken, Rabbit, Zebrafish |
| Purification:         | Purified by Protein A.                                              |

## Target Details

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| Target:           | PBX2                                                                                  |
| Alternative Name: | PBX2 ( <a href="#">PBX2 Products</a> )                                                |
| Background:       | Synonyms: G17, Homeobox protein PBX2, HOX12, PBX2MHC, pre-B-cell leukemia homeobox 2, |

## Target Details

pre-B-cell leukemia transcription factor 2, Protein G17, PBX2\_HUMAN.

Background: Pbx 1, 2, 3 and 4 are members of the TALE (three amino acid loop extension) family of homeodomain-containing proteins. Human pre-B cell acute leukemias are frequently associated with a t(1,19)(q23,p13.3) chromosomal rearrangement, which creates a chimeric gene encoding a fusion between the E2A and Pbx 1 gene products. Pbx 2 and Pbx 3 share 92 % and 94 % respective identities with Pbx 1 over a 266 amino acid region flanking their homeobox domains, while all three proteins are quite divergent at their amino- and carboxy-termini. Two forms of Pbx 1 and Pbx 3 each differ primarily in their carboxy-termini and result from alternative mRNA splicing. Unlike other homeotic selector genes which are expressed transiently during development and differentiation, Pbx gene transcripts are ubiquitously expressed in both fetal and adult tissues and cell lines. Additionally, Pbx 2 and Pbx 3 transcripts are detected in lymphoid cells, which do not express Pbx 1. Pbx 4 expression is confined to the testis, especially to spermatocytes in the pachytene stage of the first meiotic prophase.

Gene ID: 5089

Pathways: [Skeletal Muscle Fiber Development](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

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Expiry Date: 12 months