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Datasheet for ABIN7126761 **anti-PBX1 antibody**

Overview

Quantity:	100 µg
Target:	PBX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PBX1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunoprecipitation (IP), Blocking Peptide (BP), Coating (Coat)

Product Details

Immunogen:	Recombinant full-length human PBX1 protein
Isotype:	IgG2b
Specificity:	<p>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</p>

Product Details

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.

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: PBX1

Alternative Name: PBX1 ([PBX1 Products](#))

Background: DKFZp686B09108, Homeobox protein PBX 1, Homeobox protein PBX1, Homeobox protein PRL, Pbx1, Pre B cell leukemia homeobox 1, Pre B cell leukemia transcription factor 1, Pre-B-cell leukemia transcription factor 1, PRL,PBX1 / PRL (Transcription Factor)
Cellular localisation: Nucleus.

Molecular Weight: 86.1kDa

Gene ID: 5087, 557097

UniProt: [P40424](#)

Application Details

Application Notes: Known_Application: ELISA (For coating, order antibody without BSA), Immunoprecipitation (1-2 µg per 100-500 µg of total protein (1 mL of cell lysate)), Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Positive_Control: HeLa cells. Expressed in all tissues except in cells of the B and T lineage.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

Storage Comment: Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-

Handling

hazardous.

Expiry Date: 24 months