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# anti-PBX2 antibody (AA 265-370) (Biotin)



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Quantity:	100 μL
Target:	PBX2
Binding Specificity:	AA 265-370
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PBX2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## **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 (PBX2 Products)
Background:	Synonyms: G17, Homeobox protein PBX2, HOX12, PBX2MHC, pre-B-cell leukemia homeobox 2,

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: WB 1:300-5000

IHC-P 1:200-400

IHC-F 1:100-500

Restrictions: For Research Use only

#### Handling

50 % Glycerol.  Preservative: ProClin		
Buffer:  Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 50 % Glycerol.  Preservative:  ProClin  Precaution of Use:  This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should handled by trained staff only.  Storage:  -20 °C	Format:	Liquid
Freservative: ProClin  Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should handled by trained staff only.  Storage: -20 °C	Concentration:	1 μg/μL
Precaution of Use:  This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should handled by trained staff only.  Storage:  -20 °C	Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
handled by trained staff only.  Storage: -20 °C	Preservative:	ProClin
	Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage Comment: Store at -20°C for 12 months.	Storage:	-20 °C
	Storage Comment:	Store at -20°C for 12 months.

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Expiry Date:

12 months