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# PBX2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16016C

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | P40425 |
| **Other Accession** | O35984, NP_002577.2 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB34125 |
| **Calculated MW** | 45881 |
| **Antigen Region** | 181-210 |

## Additional Information

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| **Gene ID** | 5089 |
| **Other Names** | Pre-B-cell leukemia transcription factor 2, Homeobox protein PBX2, Protein G17, PBX2, G17 |
| **Target/Specificity** | This PBX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 181-210 amino acids from the Central region of human PBX2. |
| **Dilution** | WB~~1:2000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | PBX2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | PBX2 |
| **Synonyms** | G17 |

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| **Function** | Transcriptional activator that binds the sequence 5'- ATCAATCAA-3'. Activates transcription of PF4 in complex with MEIS1. |
| **Cellular Location** | Nucleus. |
| **Tissue Location** | Ubiquitously expressed. |

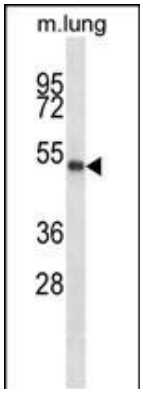
## Background

This gene encodes a ubiquitously expressed member of the TALE/PBX homeobox family. It was identified by its similarity to a homeobox gene which is involved in t(1;19) translocation in acute pre-B-cell leukemias. This protein is a transcriptional activator which binds to the TLX1 promoter. The gene is located within the major histocompatibility complex (MHC) on chromosome 6. [provided by RefSeq].

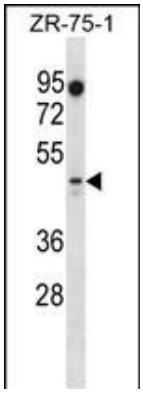
## References


Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Ucisik-Akkaya, E., et al. Mol. Hum. Reprod. 16(10):770-777(2010)
Qiu, Y., et al. Int. J. Oncol. 36(3):651-663(2010)
Ban, H.J., et al. BMC Genet. 11, 26 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)


## Images




PBX2 Antibody (Center) (Cat. #AP16016c) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the PBX2 antibody detected the PBX2 protein (arrow).




PBX2 Antibody (Center) (Cat. #AP16016c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the PBX2 antibody detected the PBX2 protein (arrow).


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.