



## Rabbit Anti-PBX4 antibody

SL12298R

|                               |   |
|-------------------------------|---|
| <b>Product Name:</b>          | PBX4  |
| <b>Chinese Name:</b>          | Blymphocyte白血病前体蛋白转录因子4抗体   |
| <b>Alias:</b>                 | 2410015M21Rik; AI429113; AW045266; Edg4; Endothelial differentiation, lysophosphatidic acid G protein coupled receptor 4; Homeobox protein PBX4; OTTMUSP00000045221; PBX4; PBX4_HUMAN; pre-B-cell leukemia homeobox 4; Pre-B-cell leukemia transcription factor 4.  |
| <b>Organism Species:</b>      | Rabbit  |
| <b>Clonality:</b>             | Polyclonal  |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Horse,Rabbit,   |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 41kDa   |
| <b>Cellular localization:</b> | The nucleus   |
| <b>Form:</b>                  | Lyophilized or Liquid   |
| <b>Concentration:</b>         | 1mg/ml  |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from Human PBX4:201-320/374  |
| <b>Lsotype:</b>               | IgG   |
| <b>Purification:</b>          | affinity purified by Protein A  |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.             |
| <b>PubMed:</b>                | <a href="#">PubMed</a>  |
| <b>Product Detail:</b>        | 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.

**Subcellular Location:**

Nucleus.

**Similarity:**

Belongs to the TALE/PBX homeobox family.  
Contains 1 homeobox DNA-binding domain.

**SWISS:**

Q9BYU1

**Gene ID:**

80714

**Database links:**

[Entrez Gene: 80714](#)Human

[Omim: 608127](#)Human

[SwissProt: Q9BYU1](#)Human

[Unigene: 466257](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.