

# IHC*easy* PBX4 Ready-To-Use IHC Kit

Catalog Number: **KHC1909**

## General Information

**Sample type:**  
FFPE tissue

**Cited sample type:**

**Reactivity:**  
Human, Mouse, Rat

**Cited Reactivity:**

**Assay type:**  
Immunohistochemistry

**Primary antibody type:**  
Rabbit Polyclonal

**Secondary antibody type:**  
Polymer-HRP-Goat anti-Rabbit

## Kit Component

| Component                | Size               | Concentration |
|--------------------------|--------------------|---------------|
| Antigen Retrieval Buffer | 100 mL             | 50×           |
| Washing Buffer           | 100 mL ×2          | 20×           |
| Blocking Buffer          | 5 mL               | RTU           |
| Primary Antibody         | 5 mL               | RTU           |
| Secondary Antibody       | 5 mL               | RTU           |
| Chromogen Component A    | 0.2 mL             | RTU           |
| Chromogen Component B    | 4 mL               | RTU           |
| Signal Enhancer          | 5 mL               | RTU           |
| Counter Staining Reagent | 5 mL               | RTU           |
| Mounting Media           | 5 mL               | RTU           |
| Control Slide            | 1 slide (Optional) | FFPE          |
| Datasheet                | 1 Copy             |               |
| Manual                   | 1 Copy             |               |

## Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

## Background

Pre-B-cell leukemia homeobox 4 (PBX4), also named as Homeobox protein PBX4, is one of the pbx gene encode homeodomain containing transcriptional regulators that interact with other proteins to control embryogenesis and tumorigenesis. Pbx 4 expression is confined to the testis, especially to spermatocytes in the pachytene stage of the first meiotic prophase. PBX4 may form heterodimers with other homeobox genes (hoxb1b or meis3) to specify different developmental fates during vertebrate embryogenesis. The trimeric complex containing Pbx4, Meis3, and Hoxb1b was also formed.

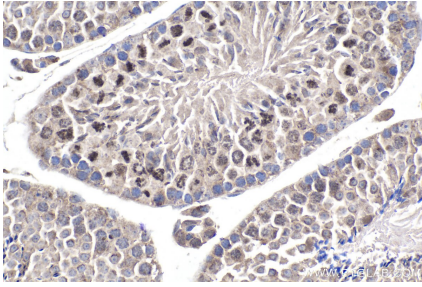
## Synonyms

Homeobox protein PBX4, PBX4, pre B cell leukemia homeobox 4

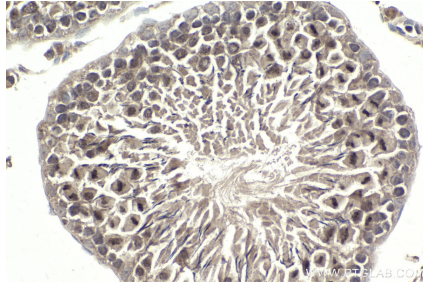
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using KHC1909 (PBX4 IHC Kit).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using KHC1909 (PBX4 IHC Kit).