


Anti-PBX1/PRL antibody ab97994

★★★★★ [3 Abreviews](#) [5 References](#) [2 图像](#)

概述	
产品名称	Anti-PBX1/PRL抗体
描述	兔多克隆抗体to PBX1/PRL
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Chicken, Zebrafish 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	This antibody gave a positive signal in the following whole cell lysates: HeLa; Jurkat; HL60; K562; MOLT4.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising	

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab97994 于以下的经测试应用

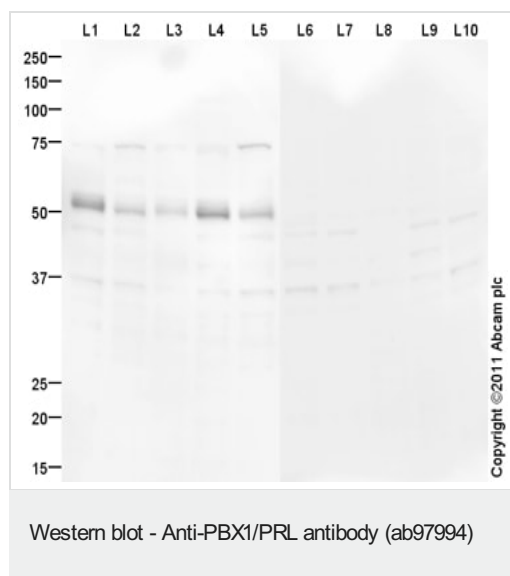
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
ICC/IF	★★★★★ (1)	Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).

## 靶标

功能	Binds the sequence 5'-ATCAATCAA-3'. Acts as a transcriptional activator of PF4 in complex with MEIS1. Converted into a potent transcriptional activator by the (1;19) translocation. May have a role in steroidogenesis and, subsequently, sexual development and differentiation.
组织特异性	Expressed in all tissues except in cells of the B and T lineage.
疾病相关	Note=A chromosomal aberration involving PBX1 is a cause of pre-B-cell acute lymphoblastic leukemia (B-ALL). Translocation t(1;19)(q23;p13.3) with TCF3. E2A-PBX1 transforms cells by constitutively activating transcription of genes regulated by PBX1 or by other members of the PBX protein family.
序列相似性	Belongs to the TALE/PBX homeobox family. Contains 1 homeobox DNA-binding domain.
细胞定位	Nucleus.

## 图片



**All lanes :** Anti-PBX1/PRL antibody (ab97994) at 1 µg/ml

**Lane 1 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2 :** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

**Lane 3 :** HL60 (Human promyelocytic leukemia cell line) Whole Cell Lysate

**Lane 4 :** K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate

**Lane 5 :** MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate

**Lane 6 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate with immunizing peptide at 1 µg/ml

**Lane 7 :** Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate with immunizing peptide at 1 µg/ml

**Lane 8 :** HL60 (Human promyelocytic leukemia cell line) Whole Cell Lysate with immunizing peptide at 1 µg/ml

**Lane 9 :** K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate with immunizing peptide at 1 µg/ml

**Lane 10 :** MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate with immunizing peptide at 1 µg/ml

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

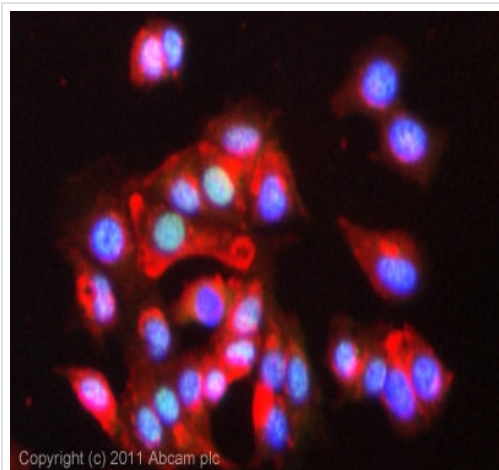
Performed under reducing conditions.

**Predicted band size:** 47 kDa

**Observed band size:** 50 kDa

**Additional bands at:** 37 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 12 minutes



Immunocytochemistry/ Immunofluorescence - Anti-PBX1/PRL antibody (ab97994)

ICC/IF image of ab97994 stained MCF7 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab97994, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 100% methanol fixed (5 min) MCF7 and Hek392 cells at 5µg/ml.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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