

Product datasheet

Anti-PBX1/PRL antibody [EPR15937] ab192606

Recombinant RabMAb

[1 References](#) [3 Images](#)

Overview

Product name	Anti-PBX1/PRL antibody [EPR15937]
Description	Rabbit monoclonal [EPR15937] to PBX1/PRL
Host species	Rabbit
Tested applications	Suitable for: IP, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Hela, Jurkat, A431 cell lysates
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15937
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192606 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		1/50.
WB		1/10000 - 1/50000. Detects a band of approximately 38 kDa (predicted molecular weight: 47 kDa).

Target

Function

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.

Tissue specificity

Expressed in all tissues except in cells of the B and T lineage.

Involvement in disease

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.

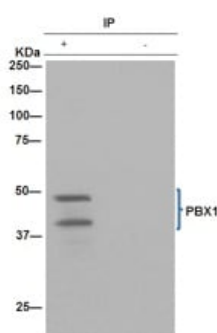
Sequence similarities

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

Cellular localization

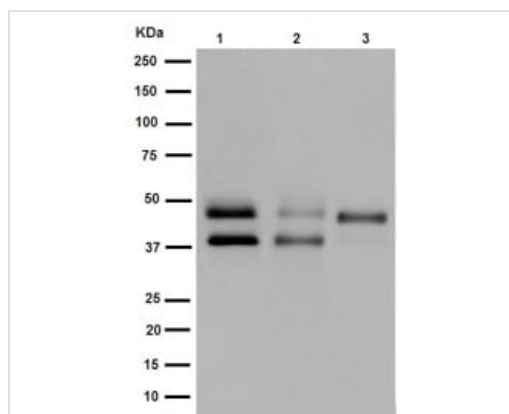
Nucleus.

Images



Immunoprecipitation of HeLa cell lysates (+) or PBS control (-) labeling PBX1 using ab192606 at 1/50 dilution and Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 as secondary.

Immunoprecipitation - Anti-PBX1/PRL antibody
[EPR15937] (ab192606)



Western blot - Anti-PBX1/PRL antibody [EPR15937] (ab192606)

All lanes : Anti-PBX1/PRL antibody [EPR15937] (ab192606) at 1/50000 dilution

Lane 1 : Hela cell lysate

Lane 2 : A431 cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated

Predicted band size: 47 kDa

Additional bands at: 38 kDa (possible isoform)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-PBX1/PRL antibody [EPR15937] (ab192606)

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

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