

Anti-PBX1/PRL antibody [EPR15937] - BSA and Azide free ab251141

Recombinant RabMAb

3 Images

Overview

Product name	Anti-PBX1/PRL antibody [EPR15937] - BSA and Azide free
Description	Rabbit monoclonal [EPR15937] to PBX1/PRL - BSA and Azide free
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.
General notes	<p>ab251141 is the carrier-free version of ab192606.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR15937
Isotype	IgG

Applications

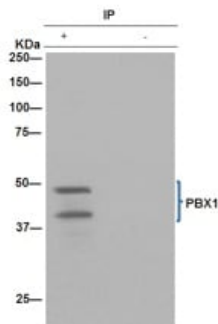
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab251141 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 38 kDa (predicted molecular weight: 47 kDa).

Target

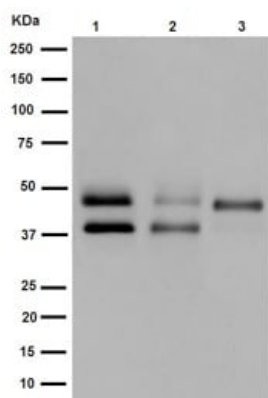
Function	Binds the sequence 5'-ATCAATCAA-3'. Acts as a transcriptional activator of PF4 in complex with MEIS1. Converted into a potent transcriptional activator by the (1;19) translocation. May have a role in steroidogenesis and, subsequently, sexual development and differentiation.
Tissue specificity	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 - Anti-PBX1/PRL antibody [EPR15937] - BSA and Azide free (ab251141)

This data was developed using **ab192606**, the same antibody clone in a different buffer formulation. 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.



Western blot - Anti-PBX1/PRL antibody [EPR15937] - BSA and Azide free (ab251141)

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)

This data was developed using **ab192606**, the same antibody clone in a different buffer formulation.

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] - BSA and Azide free (ab251141)

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

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