


Product datasheet

Anti-Pbx3 antibody ab129478

1 Image

Overview

Product name	Anti-Pbx3 antibody
Description	Rabbit polyclonal to Pbx3
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse Predicted to work with: Rat, Horse, Chicken, Human, Chimpanzee, Macaque monkey, Chinese hamster, Orangutan 
Immunogen	Synthetic peptide corresponding to Mouse Pbx3 aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin. Database link: O35317
Positive control	This antibody gave a positive signal in the following tissue lysates: E14 Mouse Embryonic Brain; E16 Mouse Embryonic Brain; P0 Mouse Brain; P7 Mouse Brain.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	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.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab129478** in the following tested applications.

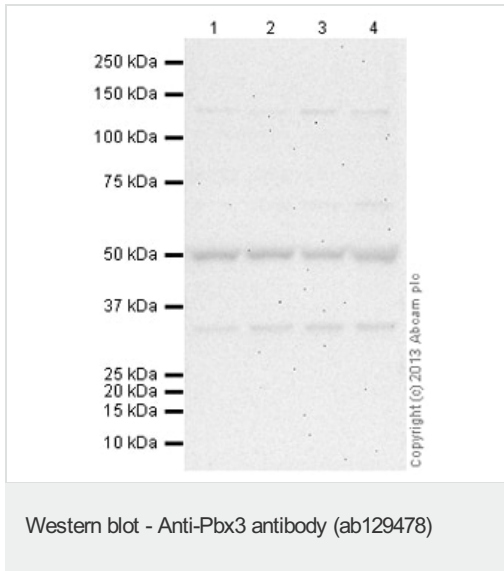
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 47 kDa.

Target

Function	Transcriptional activator that binds the sequence 5'-ATCAATCAA-3'.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Belongs to the TALE/PBX homeobox family. Contains 1 homeobox DNA-binding domain.
Cellular localization	Nucleus.
Form	There are 4 isoforms produced by alternative splicing.

Images



All lanes : Anti-Pbx3 antibody (ab129478) at 1 µg (Milk blocking - 3%)

Lane 1 : E14 Mouse Embryo Brain Tissue Lysate

Lane 2 : E16 Ms Embryo Brain Tissue Lysate

Lane 3 : P0 Mouse Brain Mouse Tissue Lysate

Lane 4 : P7 Mouse Brain Tissue Lysate Lab Lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 47 kDa

Observed band size: 50 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 20 minutes

The predicted molecular weight of Pbx3 is 47 kDa (SwissProt), however we expect to observe a banding pattern at 50 kDa.

This blot was produced using a 10% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab129478 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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

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