


Product datasheet

Anti-Alx1 antibody [EPR11331] ab181101

Recombinant RabMAb

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Overview

Product name	Anti-Alx1 antibody [EPR11331]
Description	Rabbit monoclonal [EPR11331] to Alx1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	MCF7, HeLa and HepG2 cell lysate. MCF-7 cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR11331
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab181101 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
Flow Cyt (Intra)		1/230. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 36 kDa.

Target

Function

Transcriptional activator that acts at a palindromic recognition sequence to enhance the activity of the SV40 and TK promoters. Functions as a repressor with the prolactin promoter in vivo. May play a role in chondrocyte differentiation and may also influence cervix development.

Tissue specificity

Cartilage and cervix tissue.

Involvement in disease

Defects in ALX1 are the cause of frontonasal dysplasia type 3 (FND3) [MIM:613456]. The term frontonasal dysplasia describes an array of abnormalities affecting the eyes, forehead and nose and linked to midfacial dysraphia. The clinical picture is highly variable. Major findings include true ocular hypertelorism; broadening of the nasal root; median facial cleft affecting the nose and/or upper lip and palate; unilateral or bilateral clefting of the alae nasi; lack of formation of the nasal tip; anterior cranium bifidum occultum; a V-shaped or widow's peak frontal hairline.

Sequence similarities

Belongs to the paired homeobox family.
Contains 1 homeobox DNA-binding domain.

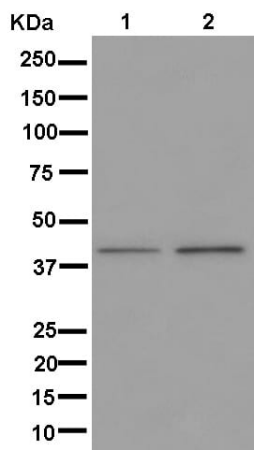
Post-translational modifications

Acetylated at Lys-131 by EP300, leading to increased interaction with EP300 and enhances transcriptional activation activity.

Cellular localization

Nucleus.

Images



Western blot - Anti-Alx1 antibody [EPR11331]
(ab181101)

All lanes : Anti-Alx1 antibody [EPR11331] (ab181101) at 1/2000 dilution

Lane 1 : MCF7 cell lysate

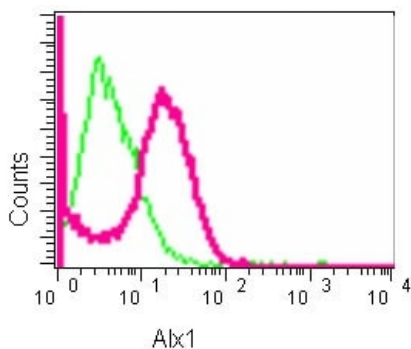
Lane 2 : HepG2 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

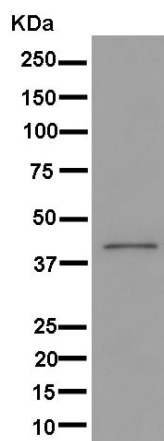
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 36 kDa



Flow Cytometry (Intracellular) - Anti-Alx1 antibody
[EPR11331] (ab181101)

Intracellular Flow Cytometry analysis of 2% paraformaldehydefixed MCF7 cells labeling Alx1 with ab181101 at 1/230 dilution (red) or a Rabbit monoclonal IgG Isotype control (green), followed by Goat anti rabbit IgG (FITC) at a 1/50 dilution.



Western blot - Anti-Alx1 antibody [EPR11331]
(ab181101)

Anti-Alx1 antibody [EPR11331] (ab181101) at 1/10000 dilution + HeLa cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 36 kDa

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-Alx1 antibody [EPR11331] (ab181101)

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

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