




Product datasheet

Anti-Alx1 antibody ab234726

2 Images

Overview

Product name	Anti-Alx1 antibody
Description	Rabbit polyclonal to Alx1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human Alx1 aa 1 to the C-terminus. Database link: Q15699  Run BLAST with  Run BLAST with
Positive control	WB: HeLa, MCF7 and HepG2 whole cell lysates. IHC-P: Human brain tissue.
General notes	<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&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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Purification notes	Purity >95%
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab234726 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
IHC-P		1/20 - 1/200.
WB		1/500 - 1/5000. Detects a band of approximately 36 kDa (predicted molecular weight: 37 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.

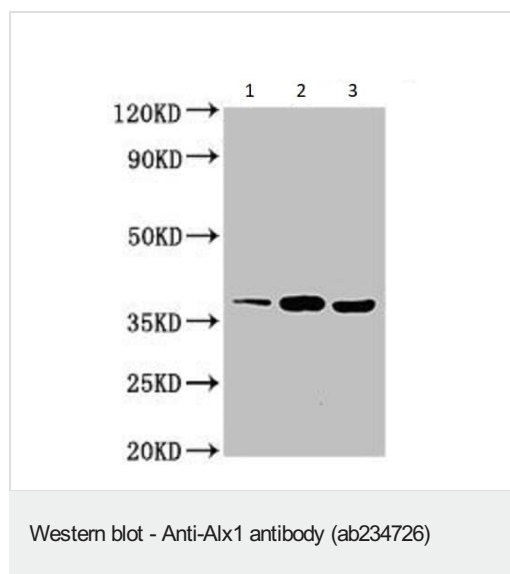
Post-translational modifications

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

Cellular localization

Nucleus.

Images



All lanes : Anti-Alx1 antibody (ab234726) at 1/500 dilution

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell lysate

Lane 2 : MCF7 (human breast adenocarcinoma cell line) whole cell lysate

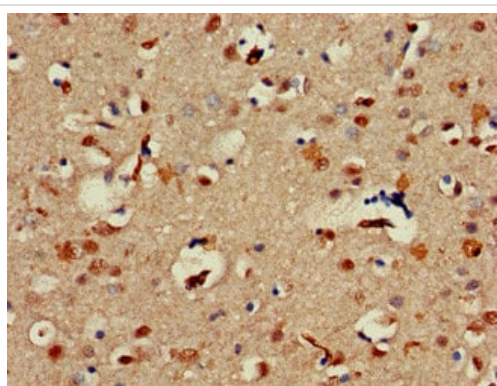
Lane 3 : HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate

Secondary

All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 37 kDa

Observed band size: 36 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Alx1 antibody (ab234726)

Paraffin-embedded human brain tissue stained for Alx1 with ab234726 at 1/100 dilution in immunohistochemical analysis.

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

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