

Anti-CBX2 antibody ab235305

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Overview

Product name	Anti-CBX2 antibody
Description	Rabbit polyclonal to CBX2
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment corresponding to Human CBX2 aa 1-211. Database link: Q14781
Positive control	WB: A431 whole cell lysate; Mouse heart tissue lysate. IHC-P: Human breast cancer and tonsil 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 ab235305 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 - 1/2000. Predicted molecular weight: 56 kDa.

Target

Function

Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Involved in sexual development, acting as activator of NR5A1 expression.

Involvement in disease

Defects in CBX2 are the cause of 46,XY sex reversal type 5 (SRXY5) [MIM:613080]. It is a disorder of sex development. Affected individuals have a 46,XY karyotype but present as phenotypically normal females.

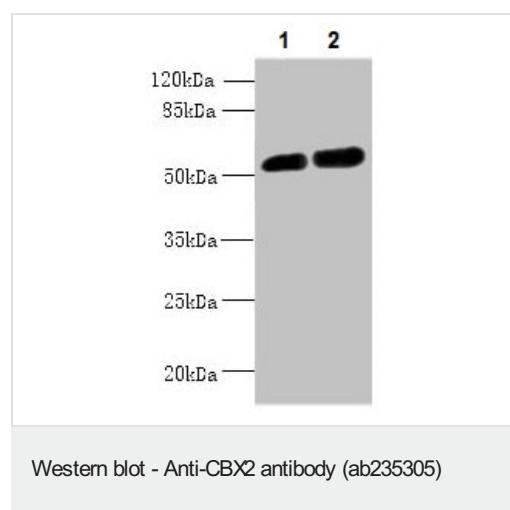
Sequence similarities

Contains 1 A.T hook DNA-binding domain.
Contains 1 chromo domain.

Cellular localization

Nucleus.

Images



All lanes : Anti-CBX2 antibody (ab235305) at 1/500 dilution

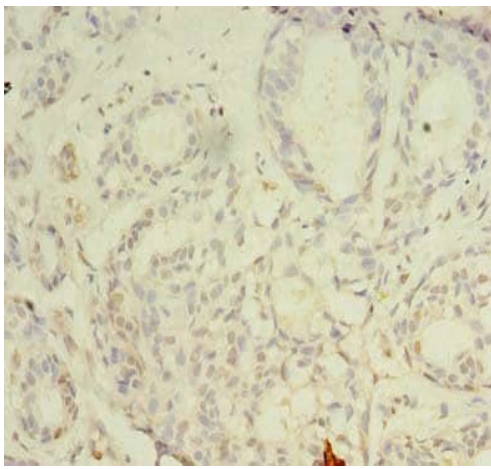
Lane 1 : A431 (human epidermoid carcinoma cell line) whole cell lysate

Lane 2 : Mouse heart tissue lysate

Secondary

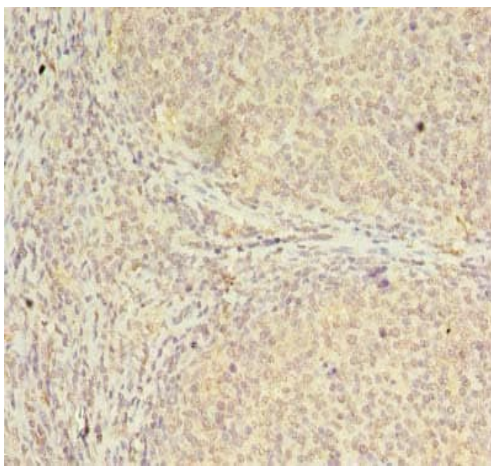
All lanes : Goat polyclonal to Rabbit IgG at 1/10000 dilution

Predicted band size: 56 kDa



Paraffin-embedded human breast cancer tissue stained for CBX2 using ab235305 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CBX2 antibody (ab235305)



Paraffin-embedded human tonsil tissue stained for CBX2 using ab235305 at 1/100 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CBX2 antibody (ab235305)

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

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