

# Anti-CBX2 antibody ab182620

[1 References](#) [1 Image](#)

### Overview

<b>Product name</b>	Anti-CBX2 antibody
<b>Description</b>	Rabbit polyclonal to CBX2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human CBX2 aa 1-250. Database link: <a href="#">Q14781-1</a>
<b>Positive control</b>	Human ovarian cancer tissue lysate, Mouse heart tissue lysate.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	<p>pH: 7.4</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)</p> <p>without Mg<sup>2+</sup> and Ca<sup>2+</sup></p>
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab182620 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		1/350 - 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.

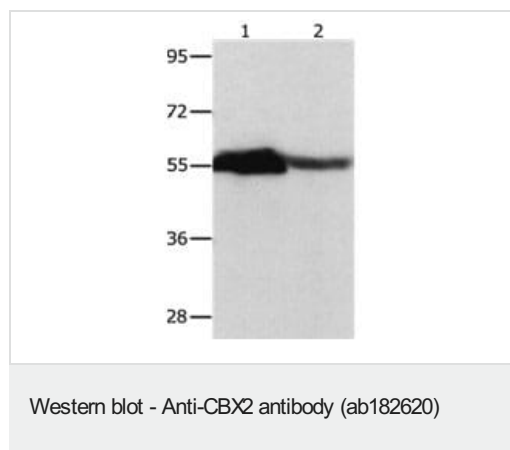
### Sequence similarities

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

### Cellular localization

Nucleus.

## Images



**All lanes :** Anti-CBX2 antibody (ab182620) at 1/350 dilution

**Lane 1 :** Human ovarian cancer tissue lysate

**Lane 2 :** Mouse heart tissue lysate

Lysates/proteins at 30 µg per lane.

### Secondary

**All lanes :** Goat anti Rabbit IgG - H&L HRP conjugated antibody at 1/10000 dilution

Developed using the ECL technique.

**Predicted band size:** 56 kDa

**Exposure time:** 20 seconds

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

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