

CBX2 polyclonal antibody
Rabbit Polyclonal Antibody
Catalog # ABV11375

Specification

CBX2 polyclonal antibody - Product Information

| | |
|-------------------|------------------------|
| Application | E |
| Primary Accession | Q14781 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 56081 |

CBX2 polyclonal antibody - Additional Information

Gene ID 84733

| | |
|---------------------|-------------------------|
| Positive Control | ELISA: Peptides. |
| Application & Usage | ELISA: 1:300. |
| Other Names | |
| CDCA6, M33, SRXY5 | |

Target/Specificity
CBX2

Antibody Form
Liquid

Appearance
Colorless liquid

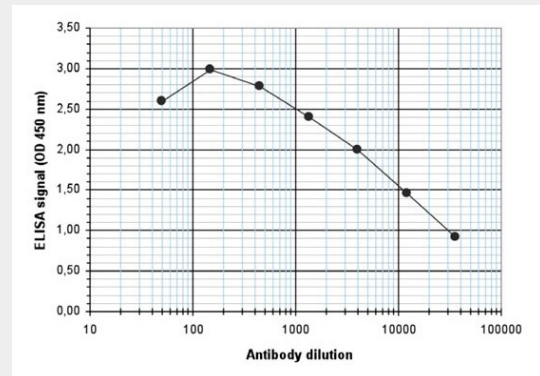
Formulation
In PBS with 0.05% (W/V) sodium azide.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
CBX2 polyclonal antibody is for research use only and not for use in diagnostic or therapeutic procedures.



To determine the titer, an ELISA was performed using a serial dilution of the antibody. The wells were coated with the peptide used for immunization of the rabbit. By plotting the absorbance against the antibody dilution the titer of the antibody was estimated to be 1:10,900.

CBX2 polyclonal antibody - Background

CBX2 is a component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. The PcG PRC1 complex acts via chromatin remodelling and modification of histones; it mediates monoubiquitination of lysine 119 on histone H2A, rendering chromatin heritably changed in its expressibility. CBX2 also is involved in sexual development, acting as an activator of NR5A1 expression.

CBX2 polyclonal antibody - Protein Information

Name CBX2

Function

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development (PubMed: <http://www.uniprot.org/citations/21282530> target="_blank">21282530). 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 (PubMed: <http://www.uniprot.org/citations/21282530> target="_blank">21282530). Binds to histone H3 trimethylated at 'Lys-9' (H3K9me3) or at 'Lys-27' (H3K27me3) (By similarity). Plays a role in the lineage differentiation of the germ layers in embryonic development (By similarity). Involved in sexual development, acting as activator of NR5A1 expression (PubMed: <http://www.uniprot.org/citations/19361780> target="_blank">19361780).

Cellular Location

Nucleus. Chromosome Note=Localized in distinct foci on chromatin and in chromocenters Localizes to the inactive X chromosome. Seems to be recruited to H3K27me3, H3K9ac and H3K3me2 sites on chromatin

CBX2 polyclonal antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)