

CBX2 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Protein ID NP_005180.1

Catalog No. A302-524A

GeneID 84733

Lot No. A302-524A-4



| | |
|------------------------------|--|
| APPLICATIONS | IP, ChIP-Seq |
| SPECIES REACTIVITY | Human |
| PRESUMED REACTIVITY | Based on 100% sequence identity, this antibody is predicted to react with Mouse |
| AMOUNT | 100 µl |
| CONCENTRATION | 1000 µg/ml |
| STORAGE/SHELF LIFE | 2 - 8° C / 1 year from date of receipt |
| PHYSICAL STATE | Liquid |
| BUFFER | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| ISOTYPE | IgG |
| ORIGIN | USA |
| PRODUCTION PROCEDURES | Antibody was affinity purified using an epitope specific to CBX2 immobilized on solid support. |

The epitope recognized by A302-524A maps to a region between residue 482 and 532 of human chromobox homolog 2 using the numbering given in entry NP_005180.1 (GeneID 84733).

Antibody concentration was determined by extinction coefficient: absorbance at 280 nm of 1.4 equals 1.0 mg of IgG.

APPLICATIONS

Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot Not recommended. A302-524A has not performed satisfactorily when used for WB of CBX2 in crude preparations (e.g. whole cell lysate). This antibody can be used for WB of enriched (e.g. immunoprecipitated) sources of CBX2.

Immunoprecipitation 2 - 10 µg/mg lysate

ChIP-Seq 1 µg

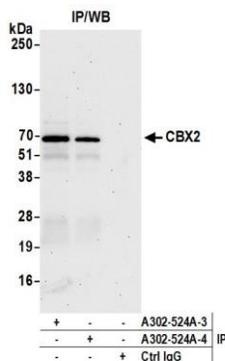
ADDITIONAL INFO

<https://www.bethyl.com/product/A302-524A>

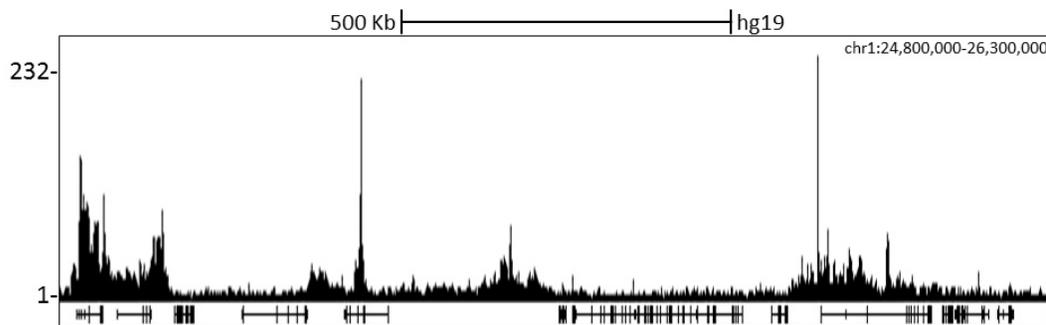
Use the link above to view SDS, a current list of citations, and other product specific information.

IP-western blot protocol: https://www.bethyl.com/content/protocol_IP_WB

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.
Eric McIntush, PhD | Chief Scientific Officer Date: October 15, 2020



Detection of human CBX2 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CBX2 antibody A302-524A (lot A302-524A-4) used for IP at 6 μ g per reaction. CBX2 was also immunoprecipitated by a previous lot of this antibody (lot A302-524A-3). For blotting immunoprecipitated CBX2, A302-524A was used at 1 μ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Localization of CBX2 Binding Sites by ChIP-seq. Chromatin from K562 cells was immunoprecipitated with anti-CBX2 antibody A302-524A and analyzed by DNA sequencing. The figure illustrates the peak distribution of CBX2 binding within a 1.5 Mb region of chromosome 1 as detected using anti-CBX2 antibody A302-524A. ChIP-seq validation performed by Diogenode, Denville, NJ.