CBX8 Antibody

Rabbit Polyclonal

Antigen Affinity Purified

Catalog No. A300-882A

Lot No. A300-882A-2

Protein ID NP_065700.1

GeneID 57332

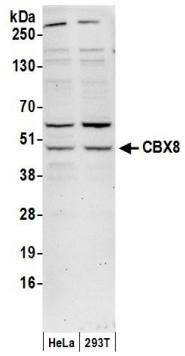
APPLICATIONS	WB, IP, ChIP-Seq
SPECIES REACTIVITY	Human
PRESUMED REACTIVITY	Based on 100% sequence identity, this antibody is predicted to react with Mouse
AMOUNT	100 µl
CONCENTRATION	1000 µg/ml
STORAGE/SHELF LIFE	2 - 8° C / 1 year from date of receipt
PHYSICAL STATE	Liquid
BUFFER	Tris-citrate/phosphate 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 CBX8 immobilized on solid support. The epitope recognized by A300-882A maps to a region between residue 350 and the C-terminus (residue 389) of human Chromobox homolog 8 using the numbering given in entry NP_065700.1 (GeneID 57332). Immunoglobulin 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	1:2,000 - 1:10,000
Immunoprecipitation	2 - 10 µg/mg lysate
ChIP-Seq	1 - 2 µg

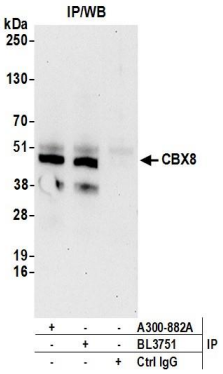
APPLICATION NOTES	Western blot of immunoprecipitates performed using Normal Pig Serum (Cat. No. S100-020), Goat anti-Rabbit Light Chain HRP Conjugate (Cat. No. A120-113P) and 4-20% SDS-PAGE (link to IP-western blot protocol in Additional Info section below). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.
ADDITIONAL INFO	https://www.bethyl.com/product/A300-882A 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.

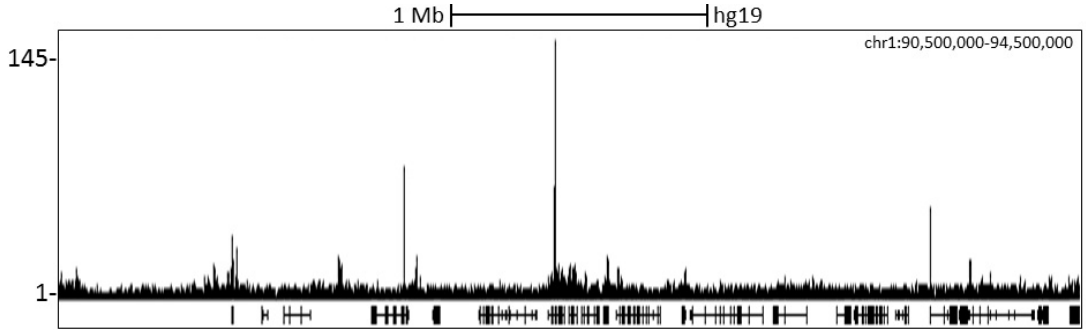
Eric McIntush, PhD | Chief Scientific Officer Date: June 21, 2019



Detection of human CBX8 by western blot. *Samples:* Whole cell lysate (50 µg) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CBX8 antibody A300-882A (lot A300-882A-2) used for WB at 0.1 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Detection of human CBX8 by western blot of immunoprecipitates. *Samples:* Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CBX8 antibody A300-882A (lot A300-882A-2) used for IP at 6 µg per reaction. CBX8 was also immunoprecipitated by rabbit anti-CBX8 antibody BL3751. For blotting immunoprecipitated CBX8, A300-882A was used at 0.4 µg/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



Localization of CBX8 Binding Sites by ChIP-sequencing. Chromatin from K562 cells was immunoprecipitated with anti-CBX8 antibody A300-882A and analyzed by DNA sequencing. The figure illustrates the peak distribution of CBX8 binding within a 4 Mb region of chromosome 1 as detected using anti-CBX8 antibody A300-882A. ChIP-seq validation performed by Diogenode, Denville, NJ.