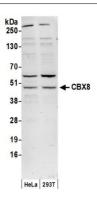
## **CBX8** Antibody

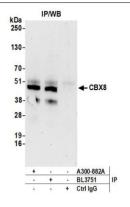
Rabbit Polyclonal				
Antigen Affinity Purified			Protein ID	NP_065700.1
Catalog No.	A300-	882A-T	GenelD	57332
Lot No.	A300-	382A-T-2		
APPLICATIONS		WB, IP, ChIP–Seq		
SPECIES REACTIVITY		Human		
PRESUMED REACTIVITY		Based on 100% sequence identity, this antibody is predicted to react with Mouse		
AMOUNT		10 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-T 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).		
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
		Immunoprecipi	tation 2 -	10 µg/mg lysate
		ChIP–Seq	1 -	2 µg
ADDITIONAL IN	IFO	https://www.bethyl.com/product/A300-882A-T 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. Michael Spencer, PhD Date: June 6, 2022

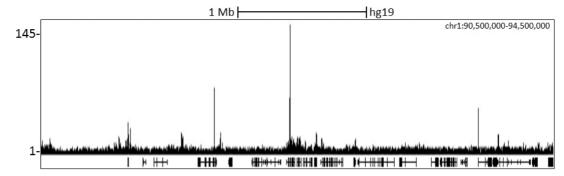
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**Detection of human CBX8 by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from HeLa and HEK293T cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CBX8 antibody A300-882A (lot A300-882A-2) used for WB at 0.1  $\mu$ g/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.