

# CTCF Antibody

Rabbit Polyclonal

Antigen Affinity Purified	RefSeq ID	NP_006556.1
Catalog No. A300-543A	Uniprot ID	P49711
Lot No. 7	GeneID	10664

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<b>APPLICATIONS</b>	WB, IP
<b>SPECIES REACTIVITY</b>	Human, Mouse
<b>PRESUMED REACTIVITY</b>	Based on 100% sequence identity, this antibody is predicted to react with Rat
<b>AMOUNT</b>	100 µl
<b>CONCENTRATION</b>	200 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 – 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Tris-buffered Saline containing 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	Antibody was affinity purified using an epitope specific to CTCF immobilized on solid support.

The epitope recognized by A300-543A maps to a region between residues 650 and 700 of human CCCTC-binding factor using the numbering given in entry NP\_006556.1 (GeneID 10664).

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

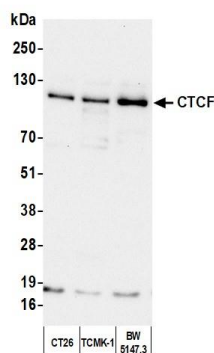
**APPLICATIONS** Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.

Western Blot	1:2,000 – 1:10,000
Immunoprecipitation	2 – 10 µg/mg lysate

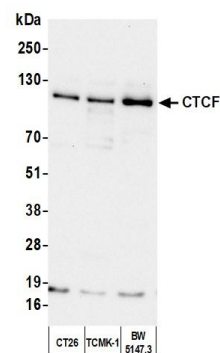
**ADDITIONAL INFO** <https://www.fortislife.com/p/A300-543A>

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

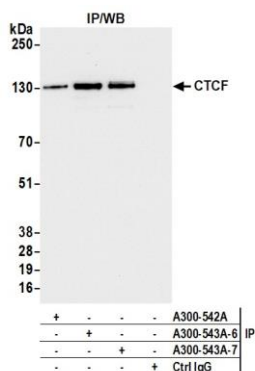
This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: August 29, 2023



**Detection of human CTCF by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from HEK293T, MCF-7, Hep-G2, A-549, and RKO cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CTCF antibody (A300-543A lot 7) used for WB at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 75 seconds.



**Detection of mouse CTCF by western blot.** *Samples:* Whole cell lysate (50  $\mu$ g) from CT26, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. *Antibody:* Affinity purified rabbit anti-CTCF antibody (A300-543A lot 7) used for WB at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 30 seconds.



**Detection of human CTCF by western blot of immunoprecipitates.** *Samples:* Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. *Antibodies:* Affinity purified rabbit anti-CTCF antibody (A300-543A-7 lot 7) used for IP at 6  $\mu$ g per reaction. CTCF was also immunoprecipitated by a previous lot of this antibody (A300-543A lot 6) and a second antibody against a different epitope of CTCF (A300-542A). For blotting immunoprecipitated CTCF, A300-543A was used at 0.1  $\mu$ g/ml. *Detection:* Chemiluminescence with an exposure time of 3 seconds.